



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

MAY 21 1991

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Dietary Exposure Analyses for the Proposed Uses of  
Benomyl on Fresh Mint, Permethrin in/on [REDACTED]  
[REDACTED] and Cyromazine in/on [REDACTED]

FROM: Stephen A. Schaible *Stephen A. Schaible*  
HED/SACB (H7509C)

THROUGH: James P. Kariya *James P. Kariya*  
Chief, Dietary Exposure Section  
Health Effects Division *[Signature]*

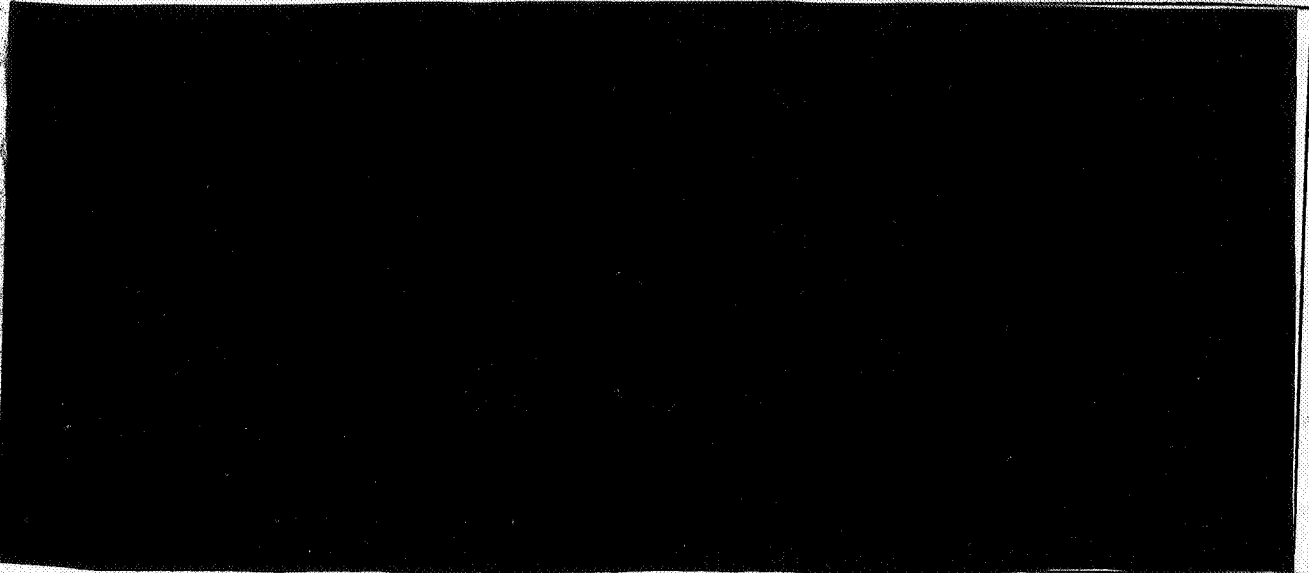
TO: Andrea S. Beard, PM 43  
Emergency Response and  
Minor Use Section/ RSB  
Registration Division (H7505C)

Action Requested

Provide dietary exposure analyses and carcinogenic risk  
estimates for the proposed uses of Permethrin on [REDACTED]  
[REDACTED] Cyromazine on [REDACTED] and  
Benomyl on fresh mint.

Response

PENDING REGISTRATION INFORMATION IS NOT INCLUDED



### Benomyl on Fresh Mint

1. Toxicological Endpoint: The routine chronic DRES analysis used a Reference Dose (RfD) of 0.05 mg/kg body weight/day, based on a no observed effect level (NOEL) of 5.0 mg/kg bwt/day and an uncertainty factor of 100. The NOEL was based on a three generation rat reproduction study which demonstrated decreased pup body weights. The RfD has been approved by both the HED (3/7/86) and Agency (3/26/86) Reference Dose committees.

The benomyl metabolite methyl-2-benzimidazole carbamate (MBC) has been classified as a Class C (possible human) carcinogen with an upper bound potency estimate ( $Q_1^*$ ) of  $4.2 \times 10^{-3}$  (mg/kg/day)<sup>-1</sup> by the Science Advisory Panel. Benomyl rapidly and completely degrades to MBC.

2. Residue Information: Food uses evaluated were published tolerances from 40 CFR 180.294 and the proposed uses of benomyl and its metabolites containing the benzimidazole moiety on fresh mint. Published uses in the CFR registered as seed crops or not registered for use crops were left out of the analysis, following the precedent set in the special review of this chemical and its metabolite. Percent crop treated data were supplied by the Biological and Economical Analysis Division (BEAD) (Lyn Luben, 11/30/89) and anticipated residues were estimated by Dynamac Corporation and approved by the Dietary Exposure Branch (see Richard Schmitt memo to Reto Engler, 4/2/90). A summary of the residue information used in this analysis is attached as Table 1.

3. Exposure Analysis: The DRES chronic exposure analysis for benomyl used tolerance level residues and 100% crop treated to estimate the Total Maximum Residue Contribution (TMRC) for the overall U.S. population and 22 population subgroups, which along with the Anticipated Residue Contribution (ARC), are summarized in Table 2.

The ARC for this analysis was calculated using percent crop treated and anticipated residue data. The ARC is generally considered to more accurately characterize the exposure through the diet than the TMRC.

The ARC for the overall U.S. population from published uses was 0.000431 mg/kg bwt/day, which represents 1% of the RfD. The proposed tolerance on fresh mint has a contribution of less than 0.000001 mg/kg bwt/day and therefore does not raise the ARC or the percent RfD. The subgroup most highly exposed to benomyl, non-nursing infants less than one year old, has an ARC of 0.001441 mg/kg bwt/day, or 3% of the RfD (with the proposed petition having no contribution to the ARC or RfD).

4. Carcinogenic Risk: The upper bound carcinogenic risk for benomyl and its metabolites containing the benzimidazole moiety was calculated for the overall U.S. population by multiplying the ARC exposure estimate by the upper bound potency estimate ( $Q^*$ ) or  $0.0042 \text{ (mg/kg/day)}^{-1}$ . The risk assessment, assuming a 70 year exposure, was approximately  $2 \times 10^{-6}$ , with the proposed use on fresh mint contributing  $8 \times 10^{-11}$  of this risk. Though this risk estimate exceeds the de minimis level generally considered as negligible by the Agency, the great majority of this risk is not due to the proposed use.

5. Comments: Though the chronic risk through the diet to benomyl and its metabolites containing the benzimidazole moiety is minimal, the carcinogenic risk exceeds the de minimis level, and therefore we would recommend caution in granting this tolerance. We acknowledge that both the chronic and carcinogenic risk estimates are possibly overestimated due to assumptions made in the analyses (tolerance level residues for mint, 100% crop treated for several commodities) and that the contribution from this petition represents only a fraction of the total carcinogenic risk, but still recommend caution based on the magnitude of the risk number.

Attachments

cc: DES, CBTS, Tox 2, F. Chow, Caswell #'s 075A, 167B, and 652BB

RIN 8424-91

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Pages   4   through   9   are not included.

The material not included contains the following type of information:

- ☐ Identity of product inert ingredients.
- ☐ Identity of product impurities.
- ☐ Description of the product manufacturing process.
- ☐ Description of quality control procedures.
- ☐ Identity of the source of product ingredients.
- ☐ Sales or other commercial/financial information.
- ☐ A draft product label.
- ☐ The product confidential statement of formula.
- ☐ Information about a pending registration action.
- ☐ FIFRA registration data.
- ☐ The document is a duplicate of page(s)           .
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| CHEMICAL                                                                               | STUDY TYPE                                                                                                                        | EFFECTS                                                                                                             | REFERENCE DOSES                                           | DATA GAPS/COMMENTS | STATUS                                                                      |
|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------|-----------------------------------------------------------------------------|
| Benomyl<br>Caswell #073A<br>CAS No. 17804-35-2<br>A.I. CODE: 099101<br>CFR No. 180.294 | 3gen reprod. rat<br>NOEL = 5.0000 mg/kg<br>100.00 ppm<br>LE <sub>L</sub> = 25.0000 mg/kg<br>500.00 ppm<br>ONCO: Class C (SAP/HED) | Decreased pup body wts.<br>Positive oncogenicity in<br>mice only, negative in<br>rats, TOX Peer Review<br>complete. | ADI UF -->100<br>OPP RfD = 0.050000<br>EPA RfD = 0.050000 | No data gaps.      | HED complete 03/07/86.<br>EPA verified 03/26/86.<br>WHO last reviewed 1983. |
|                                                                                        |                                                                                                                                   |                                                                                                                     | Q* = 0.00420                                              | Q* calculated.     | On IRIS.                                                                    |

| FOOD CODE | FOOD          | FOOD FORM                       | PET.#      | TOLERANCE (ppm) | ANTICIPATED RESIDUE (ppm) | AR STATISTIC TYPE | % CROP TREATED | RES. VALUE USED IN TAS RUN (ppm) |
|-----------|---------------|---------------------------------|------------|-----------------|---------------------------|-------------------|----------------|----------------------------------|
| 01002AA   | BLACKBERRIES  | 10 RAW-FRESH OR NFS             | P 7.000000 | 2.010000        |                           |                   | 60.00          | 1.206000                         |
| 01002AA   | BLACKBERRIES  | 21 COOKED-NFS                   | P 7.000000 | 2.010000        |                           |                   | 60.00          | 1.206000                         |
| 01002AA   | BLACKBERRIES  | 62 COOKED-FRESH OR FROZEN-BAKED | P 7.000000 | 2.010000        |                           |                   | 60.00          | 1.206000                         |
| 01003AA   | BOYSENBERRIES | 10 RAW-FRESH OR NFS             | P 7.000000 | 2.010000        |                           |                   | 1.00           | 0.020100                         |
| 01004AA   | DEWBERRIES    | 00 NOT SPECIFIED                | P 7.000000 | 2.010000        |                           |                   | 5.00           | 0.100500                         |
| 01005AA   | LOGANBERRIES  | 00 NOT SPECIFIED                | P 7.000000 | 2.010000        |                           |                   | 5.00           | 0.100500                         |
| 01006AA   | RASPBERRIES   | 10 RAW-FRESH OR NFS             | P 7.000000 | 2.010000        |                           |                   | 17.00          | 0.341700                         |
| 01006AA   | RASPBERRIES   | 15 RAW-FRESH OR NFS             | P 7.000000 | 2.010000        |                           |                   | 17.00          | 0.341700                         |
| 01006AA   | RASPBERRIES   | 31 COOKED-FRESH OR CANNED       | P 7.000000 | 2.010000        |                           |                   | 17.00          | 0.341700                         |
| 01006AA   | RASPBERRIES   | 62 COOKED-FRESH OR FROZEN-BAKED | P 7.000000 | 2.010000        |                           |                   | 17.00          | 0.341700                         |
| 01006AA   | RASPBERRIES   | 70 RAW-FROZEN                   | P 7.000000 | 2.010000        |                           |                   | 17.00          | 0.341700                         |
| 01009AA   | BLUEBERRIES   | 10 RAW-FRESH OR NFS             | P 7.000000 | 2.860000        |                           |                   | 13.00          | 0.371800                         |
| 01009AA   | BLUEBERRIES   | 21 COOKED-NFS                   | P 7.000000 | 2.860000        |                           |                   | 13.00          | 0.371800                         |
| 01009AA   | BLUEBERRIES   | 22 COOKED-FRESH OR CANNED       | P 7.000000 | 2.860000        |                           |                   | 13.00          | 0.371800                         |
| 01009AA   | BLUEBERRIES   | 62 COOKED-FRESH OR FROZEN-BAKED | P 7.000000 | 2.860000        |                           |                   | 13.00          | 0.371800                         |
| 01011AA   | CURRENTS      | 10 RAW-FRESH OR NFS             | P 7.000000 | 2.860000        |                           |                   | 13.00          | 0.371800                         |
| 01011AA   | CURRENTS      | 21 COOKED-NFS                   | P 7.000000 | 2.860000        |                           |                   | 13.00          | 0.371800                         |
| 01011AA   | CURRENTS      | 22 COOKED-FRESH OR CANNED       | P 7.000000 | 2.860000        |                           |                   | 13.00          | 0.371800                         |
| 01014AA   | GRAPES-FRESH  | 10 RAW-FRESH OR NFS             | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
| 01014AA   | GRAPES-FRESH  | 21 COOKED-NFS                   | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
| 01014AA   | GRAPES-FRESH  | 31 COOKED-FRESH OR CANNED       | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
| 01014AA   | GRAPES-FRESH  | 10 RAW-FRESH OR NFS             | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
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| 01014AA   | GRAPES-FRESH  | 31 COOKED-FRESH OR CANNED       | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
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| 01014AA   | GRAPES-FRESH  | 10 RAW-FRESH OR NFS             | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
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| 01014AA   | GRAPES-FRESH  | 21 COOKED-NFS                   | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
| 01014AA   | GRAPES-FRESH  | 31 COOKED-FRESH OR CANNED       | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
| 01014AA   | GRAPES-FRESH  | 10 RAW-FRESH OR NFS             | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
| 01014AA   | GRAPES-FRESH  | 21 COOKED-NFS                   | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
| 01014AA   | GRAPES-FRESH  | 31 COOKED-FRESH OR CANNED       | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
| 01014AA   | GRAPES-FRESH  | 10 RAW-FRESH OR NFS             | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
| 01014AA   | GRAPES-FRESH  | 21 COOKED-NFS                   | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
| 01014AA   | GRAPES-FRESH  | 31 COOKED-FRESH OR CANNED       | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
| 01014AA   | GRAPES-FRESH  | 10 RAW-FRESH OR NFS             | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
| 01014AA   | GRAPES-FRESH  | 21 COOKED-NFS                   | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
| 01014AA   | GRAPES-FRESH  | 31 COOKED-FRESH OR CANNED       | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
| 01014AA   | GRAPES-FRESH  | 10 RAW-FRESH OR NFS             | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
| 01014AA   | GRAPES-FRESH  | 21 COOKED-NFS                   | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
| 01014AA   | GRAPES-FRESH  | 31 COOKED-FRESH OR CANNED       | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
| 01014AA   | GRAPES-FRESH  | 10 RAW-FRESH OR NFS             | P 7.000000 | 1.100000        |                           |                   | 30.00          | 0.330000                         |
| 01014AA   | GRAPES-FRESH  | 21 COOKED-NFS                   | P 7.000000 | 1.100000        |                           |                   | 30.            |                                  |

# ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 075A

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| CHEMICAL                                                                               |                 | STUDY TYPE                                                                                                            |       | EFFECTS                                                                                                    |                           | REFERENCE DOSES                                            |                | DATA GAPS/COMMENTS               |  | STATUS                                                                      |  |
|----------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------|----------------|----------------------------------|--|-----------------------------------------------------------------------------|--|
| Benomyl<br>Caswell #075A<br>CAS No. 17804-35-2<br>A.I. CODE: 099101<br>CFR No. 180.294 |                 | 3gen reprod. rat<br>NOEL = 5.0000 mg/kg<br>100.00 ppm<br>LEL = 25.0000 mg/kg<br>500.00 ppm<br>OMCO: Class C (SAR/HED) |       | Decreased pup body wts.<br>Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete. |                           | ADI UF --> 100<br>OPP RfD = 0.050000<br>EPA RfD = 0.050000 |                | No data gaps.                    |  | HED complete 03/07/86.<br>EPA verified 03/26/86.<br>WHO last reviewed 1983. |  |
|                                                                                        |                 |                                                                                                                       |       |                                                                                                            |                           | g* = 0.00420                                               |                | g* calculated.                   |  | On IRIS.                                                                    |  |
| FOOD CODE                                                                              | FOOD            | FOOD FORM                                                                                                             | PET.# | TOLERANCE (ppm)                                                                                            | ANTICIPATED RESIDUE (ppm) | AR STATISTIC TYPE                                          | % CROP TREATED | RES. VALUE USED IN TAS RUN (ppm) |  |                                                                             |  |
| 02004AB                                                                                | LEMONS-PULP     | 31 COOKED-FRESH OR CANNED                                                                                             |       | P 10.00000                                                                                                 | 0.194000                  |                                                            | 2.00           | 0.003890                         |  |                                                                             |  |
| 02004AA                                                                                | LEMONS-PEEL     | 10 RAW-FRESH OR NFS                                                                                                   |       | P 10.00000                                                                                                 | 0.336000                  |                                                            | 2.00           | 0.006720                         |  |                                                                             |  |
| 02004JA                                                                                | LEMONS-PEEL     | 21 COOKED-NFS                                                                                                         |       | P 10.00000                                                                                                 | 0.336000                  |                                                            | 2.00           | 0.006720                         |  |                                                                             |  |
| 02004JA                                                                                | LEMONS-JUICE    | 10 RAW-FRESH OR NFS                                                                                                   |       | P 10.00000                                                                                                 | 0.006000C                 |                                                            | 2.00           | 0.000120                         |  |                                                                             |  |
| 02004JA                                                                                | LEMONS-JUICE    | 15 RAW-FRESH OR CANNED                                                                                                |       | P 10.00000                                                                                                 | 0.006000C                 |                                                            | 2.00           | 0.000120                         |  |                                                                             |  |
| 02004JA                                                                                | LEMONS-JUICE    | 21 COOKED-NFS                                                                                                         |       | P 10.00000                                                                                                 | 0.006000C                 |                                                            | 2.00           | 0.000120                         |  |                                                                             |  |
| 02005AA                                                                                | LEMONS-JUICE    | 31 COOKED-FRESH OR CANNED                                                                                             |       | P 10.00000                                                                                                 | 0.006000C                 |                                                            | 2.00           | 0.000120                         |  |                                                                             |  |
| 02005AB                                                                                | LIMES-UNSPEC    | 00 NOT SPECIFIED                                                                                                      |       | P 10.00000                                                                                                 | 0.336000                  |                                                            | 2.00           | 0.006720                         |  |                                                                             |  |
| 02005AB                                                                                | LIMES-PULP      | 10 RAW-FRESH OR NFS                                                                                                   |       | P 10.00000                                                                                                 | 0.194000                  |                                                            | 2.00           | 0.003890                         |  |                                                                             |  |
| 02005JA                                                                                | LIMES-PEEL      | 21 COOKED-NFS                                                                                                         |       | P 10.00000                                                                                                 | 0.336000                  |                                                            | 2.00           | 0.006720                         |  |                                                                             |  |
| 02005JA                                                                                | LIMES-JUICE     | 10 RAW-FRESH OR NFS                                                                                                   |       | P 10.00000                                                                                                 | 0.006000C                 |                                                            | 2.00           | 0.000120                         |  |                                                                             |  |
| 02005JA                                                                                | LIMES-JUICE     | 15 RAW-FRESH OR CANNED                                                                                                |       | P 10.00000                                                                                                 | 0.006000C                 |                                                            | 2.00           | 0.000120                         |  |                                                                             |  |
| 02006AA                                                                                | ORANGES-UNSPEC  | 00 NOT SPECIFIED                                                                                                      |       | P 10.00000                                                                                                 | 0.006000C                 |                                                            | 2.00           | 0.000120                         |  |                                                                             |  |
| 02006AB                                                                                | ORANGES-PULP    | 10 RAW-FRESH OR NFS                                                                                                   |       | P 10.00000                                                                                                 | 0.336000                  |                                                            | 8.00           | 0.026880                         |  |                                                                             |  |
| 02006AA                                                                                | ORANGES-PEEL    | 21 COOKED-NFS                                                                                                         |       | P 10.00000                                                                                                 | 0.194000                  |                                                            | 8.00           | 0.015520                         |  |                                                                             |  |
| 02006HA                                                                                | ORANGES-PEEL    | 22 COOKED-FRESH-BAKED                                                                                                 |       | P 10.00000                                                                                                 | 0.336000                  |                                                            | 8.00           | 0.026880                         |  |                                                                             |  |
| 02006JA                                                                                | ORANGES-PEEL    | 31 COOKED-FRESH OR CANNED                                                                                             |       | P 10.00000                                                                                                 | 0.336000                  |                                                            | 8.00           | 0.026880                         |  |                                                                             |  |
| 02006JA                                                                                | ORANGES-JUICE   | 15 RAW-FRESH OR CANNED                                                                                                |       | P 10.00000                                                                                                 | 0.006000C                 |                                                            | 8.00           | 0.000480                         |  |                                                                             |  |
| 02006JA                                                                                | ORANGES-JUICE   | 31 COOKED-FRESH OR CANNED                                                                                             |       | P 10.00000                                                                                                 | 0.006000C                 |                                                            | 8.00           | 0.000480                         |  |                                                                             |  |
| 02007AA                                                                                | TANGELLOS       | 10 RAW-FRESH OR NFS                                                                                                   |       | P 10.00000                                                                                                 | 0.336000                  |                                                            | 8.00           | 0.000480                         |  |                                                                             |  |
| 02008AA                                                                                | TANGERINES      | 10 RAW-FRESH OR NFS                                                                                                   |       | P 10.00000                                                                                                 | 0.336000                  |                                                            | 8.00           | 0.026880                         |  |                                                                             |  |
| 02008JA                                                                                | TANGERINE-JUICE | 15 RAW-FRESH OR CANNED                                                                                                |       | P 10.00000                                                                                                 | 0.006000C                 |                                                            | 8.00           | 0.000480                         |  |                                                                             |  |
| 03001AA                                                                                | ALMONDS         | 10 RAW-FRESH OR NFS                                                                                                   |       | P 0.200000                                                                                                 | 0.058000                  |                                                            | 30.00          | 0.017400                         |  |                                                                             |  |
| 03001AA                                                                                | ALMONDS         | 21 COOKED-NFS                                                                                                         |       | P 0.200000                                                                                                 | 0.058000                  |                                                            | 30.00          | 0.017400                         |  |                                                                             |  |
| 03008AA                                                                                | PECANS          | 22 COOKED-FRESH-BAKED                                                                                                 |       | P 0.200000                                                                                                 | 0.039000                  |                                                            | 25.00          | 0.009750                         |  |                                                                             |  |
| 03008AA                                                                                | PECANS          | 10 RAW-FRESH OR NFS                                                                                                   |       | P 0.200000                                                                                                 | 0.039000                  |                                                            | 25.00          | 0.009750                         |  |                                                                             |  |
| 03008AA                                                                                | PECANS          | 21 COOKED-NFS                                                                                                         |       | P 0.200000                                                                                                 | 0.039000                  |                                                            | 25.00          | 0.009750                         |  |                                                                             |  |
| 03008AA                                                                                | PECANS          | 22 COOKED-FRESH-BAKED                                                                                                 |       | P 0.200000                                                                                                 | 0.039000                  |                                                            | 25.00          | 0.009750                         |  |                                                                             |  |
| 03008AA                                                                                | PECANS          | 62 COOKED-FRESH-BOILED                                                                                                |       | P 0.200000                                                                                                 | 0.039000                  |                                                            | 25.00          | 0.009750                         |  |                                                                             |  |
| 03011AA                                                                                | PISTACHIO NUTS  | 10 RAW-FRESH OR NFS                                                                                                   |       | P 0.200000                                                                                                 | 0.039000                  |                                                            | 25.00          | 0.009750                         |  |                                                                             |  |
| 04001AA                                                                                | APPLES-FRESH    | 10 RAW-FRESH OR NFS                                                                                                   |       | P 7.000000                                                                                                 | 0.670000                  |                                                            | 25.00          | 0.167500                         |  |                                                                             |  |
| 04001AA                                                                                | APPLES-FRESH    | 31 COOKED-FRESH OR CANNED                                                                                             |       | P 7.000000                                                                                                 | 0.670000                  |                                                            | 25.00          | 0.167500                         |  |                                                                             |  |
| 04001AA                                                                                | APPLES-FRESH    | 62 COOKED-FRESH OR FROZEN-BAKED                                                                                       |       | P 7.000000                                                                                                 | 0.670000                  |                                                            | 25.00          | 0.167500                         |  |                                                                             |  |
| 04001DA                                                                                | APPLES-DRIED    | 10 RAW-FRESH OR NFS                                                                                                   |       | P 7.000000                                                                                                 | 1.700000                  |                                                            | 25.00          | 0.425000                         |  |                                                                             |  |
| 04001DA                                                                                | APPLES-DRIED    | 22 COOKED-FRESH-BAKED                                                                                                 |       | P 7.000000                                                                                                 | 1.700000                  |                                                            | 25.00          | 0.425000                         |  |                                                                             |  |
| 04001DA                                                                                | APPLES-DRIED    | 62 COOKED-FRESH OR FROZEN-BAKED                                                                                       |       | P 7.000000                                                                                                 | 1.700000                  |                                                            | 25.00          | 0.425000                         |  |                                                                             |  |

# ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 075A

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| CHEMICAL                                                                               | STUDY TYPE                                                                                                        | EFFECTS                                                                                                             | REFERENCE DOSES                                                        | DATA GAPS/COMMENTS              | STATUS                                                                                  |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------|
|                                                                                        |                                                                                                                   |                                                                                                                     |                                                                        |                                 |                                                                                         |
| Beromyl<br>Caswell #075A<br>CAS No. 17804-35-2<br>A.I. CODE: 099101<br>CFR No. 180.294 | 3gen Reprod. Rat<br>NOEL= 5,000 mg/kg<br>100.00 ppm<br>LEL= 25,000 mg/kg<br>500.00 ppm<br>ONCO: Class C (SAP/HEP) | Decreased pup body wts.<br>Positive oncogenicity in<br>mice only, negative in<br>rats, TOX Peer Review<br>complete. | ADI UF -->100<br>OPR RfD= 0.050000<br>EPA RfD= 0.050000<br>q*: 0.00420 | No data gaps.<br>q* calculated. | HED complete 03/07/86.<br>EPA verified 03/26/86.<br>WHO last reviewed 1983.<br>On IRIS. |

| FOOD CODE | FOOD           | FOOD FORM                       | PET. #     | TOLERANCE (ppm) | ANTICIPATED RESIDUE (ppm) | AR STATISTIC TYPE | % CROP TREATED | RES. VA.UE USED IN TAS RUN (ppm) |
|-----------|----------------|---------------------------------|------------|-----------------|---------------------------|-------------------|----------------|----------------------------------|
| 04001JA   | APPLES-JUICE   | 15 RAW-FRESH OR CANNED          | P 7.000000 | 0.230000C       |                           |                   | 25.00          | 0.057500                         |
| 04001JA   | APPLES-JUICE   | 31 COOKED-FRESH OR CANNED       | P 7.000000 | 0.230000C       |                           |                   | 25.00          | 0.057500                         |
| 04003AA   | PEARS-FRESH    | 10 RAW-FRESH OR NFS             | P 7.000000 | 0.530000        |                           |                   | 15.00          | 0.079500                         |
| 04003AA   | PEARS-FRESH    | 31 COOKED-FRESH OR CANNED       | P 7.000000 | 0.530000        |                           |                   | 15.00          | 0.079500                         |
| 04003AA   | PEARS-FRESH    | 51 COOKED-CANNED                | P 7.000000 | 0.530000        |                           |                   | 15.00          | 0.079500                         |
| 04003AA   | PEARS-FRESH    | 62 COOKED-FRESH OR FROZEN-BAKED | P 7.000000 | 0.530000        |                           |                   | 15.00          | 0.079500                         |
| 04003DA   | PEARS-DRIED    | 10 RAW-FRESH OR NFS             | P 7.000000 | 0.530000        |                           |                   | 15.00          | 0.079500                         |
| 04003DA   | PEARS-DRIED    | 21 COOKED-NFS                   | P 7.000000 | 0.530000        |                           |                   | 15.00          | 0.079500                         |
| 05001AA   | APRICOTS-FRESH | 10 RAW-FRESH OR NFS             | P 15.00000 | 0.874000        |                           |                   | 1.00           | 0.008740                         |
| 05001AA   | APRICOTS-FRESH | 31 COOKED-FRESH OR CANNED       | P 15.00000 | 0.874000        |                           |                   | 1.00           | 0.008740                         |
| 05001DA   | APRICOTS-DRIED | 10 RAW-FRESH OR NFS             | P 15.00000 | 0.874000        |                           |                   | 1.00           | 0.008740                         |
| 05001DA   | APRICOTS-DRIED | 22 COOKED-FRESH-BAKED           | P 15.00000 | 2.180000C       |                           |                   | 1.00           | 0.021800                         |
| 05002AA   | CERRIES-FRESH  | 10 RAW-FRESH OR NFS             | P 15.00000 | 2.030000        |                           |                   | 1.00           | 0.021800                         |
| 05002AA   | CERRIES-FRESH  | 21 COOKED-NFS                   | P 15.00000 | 2.030000        |                           |                   | 17.00          | 0.345100                         |
| 05002AA   | CERRIES-FRESH  | 31 COOKED-FRESH OR CANNED       | P 15.00000 | 2.030000        |                           |                   | 17.00          | 0.345100                         |
| 05002DA   | CERRIES-DRIED  | 62 COOKED-FRESH OR FROZEN-BAKED | P 15.00000 | 2.030000        |                           |                   | 17.00          | 0.345100                         |
| 05002JA   | CERRIES-JUICE  | 00 NOT SPECIFIED                | P 15.00000 | 5.075000C       |                           |                   | 17.00          | 0.345100                         |
| 05002JA   | CERRIES-JUICE  | 15 RAW-FRESH OR CANNED          | P 15.00000 | 2.030000        |                           |                   | 17.00          | 0.862750                         |
| 05003AA   | NECTARINES     | 21 COOKED-NFS                   | P 15.00000 | 2.030000        |                           |                   | 17.00          | 0.345100                         |
| 05004AA   | PEACHES-FRESH  | 10 RAW-FRESH OR NFS             | P 15.00000 | 2.030000        |                           |                   | 17.00          | 0.345100                         |
| 05004AA   | PEACHES-FRESH  | 21 COOKED-NFS                   | P 15.00000 | 0.874000        |                           |                   | 1.00           | 0.008740                         |
| 05004AA   | PEACHES-FRESH  | 31 COOKED-FRESH OR CANNED       | P 15.00000 | 0.003400        |                           |                   | 50.00          | 0.001700                         |
| 05004AA   | PEACHES-FRESH  | 51 COOKED-CANNED                | P 15.00000 | 0.003400        |                           |                   | 50.00          | 0.001700                         |
| 05004DA   | PEACHES-DRIED  | 10 RAW-FRESH OR NFS             | P 15.00000 | 0.003400        |                           |                   | 50.00          | 0.001700                         |
| 05005AA   | PLUMS-FRESH    | 21 COOKED-NFS                   | P 15.00000 | 0.660000C       |                           |                   | 50.00          | 0.330000                         |
| 05005AA   | PLUMS-FRESH    | 10 RAW-FRESH OR NFS             | P 15.00000 | 0.660000C       |                           |                   | 50.00          | 0.330000                         |
| 05005DA   | PLUMS-PRUNES   | 31 COOKED-FRESH OR CANNED       | P 15.00000 | 0.632000        |                           |                   | 40.00          | 0.252800                         |
| 05005DA   | PLUMS-PRUNES   | 10 RAW-FRESH OR NFS             | P 15.00000 | 0.632000        |                           |                   | 40.00          | 0.252800                         |
| 05005DA   | PLUMS-PRUNES   | 21 COOKED-NFS                   | P 15.00000 | 2.534000C       |                           |                   | 40.00          | 1.013600                         |
| 05005DA   | PLUMS-PRUNES   | 31 COOKED-FRESH OR CANNED       | P 15.00000 | 2.534000C       |                           |                   | 40.00          | 1.013600                         |
| 05005JA   | PRUNE-JUICE    | 10 RAW-FRESH OR NFS             | P 15.00000 | 2.530000C       |                           |                   | 40.00          | 1.013600                         |
| 05005JA   | PRUNE-JUICE    | 62 COOKED-FRESH OR FROZEN-BAKED | P 15.00000 | 2.530000C       |                           |                   | 40.00          | 1.012000                         |
| 06001AA   | AVOCADOS       | 10 RAW-FRESH OR NFS             | P 3.000000 | 0.092000        |                           |                   | 40.00          | 1.012000                         |
| 06002AA   | BANANAS-UNSPEC | 22 COOKED-FRESH-BAKED           | P 0.200000 | 0.055000        |                           |                   | 12.00          | 0.011040                         |
| 06002AB   | BANANAS-FRESH  | 10 RAW-FRESH OR NFS             | P 0.200000 | 0.055000        |                           |                   | 100.00         | 0.055000                         |
| 06002AB   | BANANAS-FRESH  | 21 COOKED-NFS                   | P 0.200000 | 0.055000        |                           |                   | 100.00         | 0.055000                         |
| 06002AB   | BANANAS-FRESH  | 31 COOKED-FRESH OR CANNED       | P 0.200000 | 0.055000        |                           |                   | 100.00         | 0.055000                         |
| 06007AA   | MANGOES        | 10 RAW-FRESH OR NFS             | P 3.000000 | 0.293000        |                           |                   | 95.00          | 0.055000                         |
|           |                |                                 |            |                 |                           |                   |                | 0.278350                         |

# ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 075A

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| CHEMICAL                                                                                 |                 | STUDY TYPE                                                                               |       | EFFECTS                                                                                                    |                           | REFERENCE DOSES                                         |                | DATA GAPS/COMMENTS                |  | STATUS                                                                      |  |
|------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------|----------------|-----------------------------------|--|-----------------------------------------------------------------------------|--|
| Benomyl/1<br>Caswell #075A<br>CAS No. 17804-35-2<br>A.I. CODE: 099101<br>CFR No. 180.294 |                 | 3gen reprod. rat<br>MOEL= 5.0000 mg/kg<br>100.00 ppm<br>LEL= 25.0000 mg/kg<br>500.00 ppm |       | Decreased pup body wts.<br>Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete. |                           | ADI UF -->100<br>OPR RfD= 0.050000<br>EPA RfD= 0.050000 |                | No data gaps.                     |  | HED complete 03/07/86.<br>EPA verified 03/26/86.<br>WHO last reviewed 1983. |  |
| ONCO: Class C (SAP/HED)                                                                  |                 |                                                                                          |       | q*: 0.00420                                                                                                |                           |                                                         |                | q* calculated.                    |  | On IRIS.                                                                    |  |
| FOOD CODE                                                                                | FOOD            | FOOD FORM                                                                                | PET.# | TOLERANCE (ppm)                                                                                            | ANTICIPATED RESIDUE (ppm) | AR STATISTIC TYPE                                       | % CROP TREATED | RES. VAL.UE USED IN TAS RUN (ppm) |  |                                                                             |  |
| 06007AA                                                                                  | MANGOS          | 21 COOKED-NFS                                                                            |       | P 3.000000                                                                                                 | 0.293000                  |                                                         | 95.00          | 0.278350                          |  |                                                                             |  |
| 06016AA                                                                                  | PLANTAINS       | 21 COOKED-NFS                                                                            |       | P 0.200000                                                                                                 | 0.055000                  |                                                         | 100.00         | 0.055000                          |  |                                                                             |  |
| 06016AA                                                                                  | PLANTAINS       | 23 COOKED-FRESH-BOILED                                                                   |       | P 0.200000                                                                                                 | 0.055000                  |                                                         | 100.00         | 0.055000                          |  |                                                                             |  |
| 06016AA                                                                                  | PLANTAINS       | 25 COOKED-FRESH-FRIED                                                                    |       | P 0.200000                                                                                                 | 0.055000                  |                                                         | 100.00         | 0.055000                          |  |                                                                             |  |
| 080480A                                                                                  | PAPRIKA         | 00 NOT SPECIFIED                                                                         |       | P 0.200000                                                                                                 | 0.200000                  |                                                         | 100.00         | 0.055000                          |  |                                                                             |  |
| 10002AA                                                                                  | CANTALOUPE-UNSP | 00 NOT SPECIFIED                                                                         |       | P 1.000000                                                                                                 | 0.034000                  |                                                         | 100.00         | 0.200000                          |  |                                                                             |  |
| 10002AB                                                                                  | CANTALOUPE-PULP | 10 RAW-FRESH OR NFS                                                                      |       | P 1.000000                                                                                                 | 0.034000                  |                                                         | 50.00          | 0.017000                          |  |                                                                             |  |
| 10003AA                                                                                  | CASABAS         | 21 COOKED-NFS                                                                            |       | P 1.000000                                                                                                 | 0.034000                  |                                                         | 50.00          | 0.017000                          |  |                                                                             |  |
| 10004AA                                                                                  | CRENSHAW        | 00 NOT SPECIFIED                                                                         |       | P 1.000000                                                                                                 | 0.034000                  |                                                         | 50.00          | 0.017000                          |  |                                                                             |  |
| 10005AA                                                                                  | HONEYDEW MELONS | 10 RAW-FRESH OR NFS                                                                      |       | P 1.000000                                                                                                 | 0.034000                  |                                                         | 50.00          | 0.017000                          |  |                                                                             |  |
| 10007AA                                                                                  | PERSON MELONS   | 00 NOT SPECIFIED                                                                         |       | P 1.000000                                                                                                 | 0.034000                  |                                                         | 50.00          | 0.017000                          |  |                                                                             |  |
| 10008AA                                                                                  | WATERMELON      | 10 RAW-FRESH OR NFS                                                                      |       | P 1.000000                                                                                                 | 0.034000                  |                                                         | 50.00          | 0.017000                          |  |                                                                             |  |
| 10008AA                                                                                  | WATERMELON      | 21 COOKED-NFS                                                                            |       | P 1.000000                                                                                                 | 0.034000                  |                                                         | 50.00          | 0.017000                          |  |                                                                             |  |
| 10010AA                                                                                  | CUCUMBERS       | 11 RAW-FRESH OR NFS                                                                      |       | P 1.000000                                                                                                 | 0.158000                  |                                                         | 20.00          | 0.031600                          |  |                                                                             |  |
| 10010AA                                                                                  | CUCUMBERS       | 21 COOKED-NFS                                                                            |       | P 1.000000                                                                                                 | 0.158000                  |                                                         | 20.00          | 0.031600                          |  |                                                                             |  |
| 10011AA                                                                                  | PUMPKIN         | 21 COOKED-NFS                                                                            |       | P 1.000000                                                                                                 | 0.158000                  |                                                         | 20.00          | 0.031600                          |  |                                                                             |  |
| 10011AA                                                                                  | PUMPKIN         | 22 COOKED-FRESH-BAKED                                                                    |       | P 1.000000                                                                                                 | 0.034000                  |                                                         | 1.00           | 0.000340                          |  |                                                                             |  |
| 10011AA                                                                                  | PUMPKIN         | 62 COOKED-FRESH OR FROZEN-BAKED                                                          |       | P 1.000000                                                                                                 | 0.034000                  |                                                         | 1.00           | 0.000340                          |  |                                                                             |  |
| 10013AA                                                                                  | SQUASH-SUMMER   | 10 RAW-FRESH OR NFS                                                                      |       | P 1.000000                                                                                                 | 0.158000                  |                                                         | 20.00          | 0.031600                          |  |                                                                             |  |
| 10013AA                                                                                  | SQUASH-SUMMER   | 21 COOKED-NFS                                                                            |       | P 1.000000                                                                                                 | 0.158000                  |                                                         | 20.00          | 0.031600                          |  |                                                                             |  |
| 10014AA                                                                                  | SQUASH-WINTER   | 10 RAW-FRESH OR NFS                                                                      |       | P 1.000000                                                                                                 | 0.034000                  |                                                         | 20.00          | 0.006800                          |  |                                                                             |  |
| 10014AA                                                                                  | SQUASH-WINTER   | 21 COOKED-NFS                                                                            |       | P 1.000000                                                                                                 | 0.034000                  |                                                         | 20.00          | 0.006800                          |  |                                                                             |  |
| 10014AA                                                                                  | SQUASH-WINTER   | 31 COOKED-FRESH OR CANNED                                                                |       | P 1.000000                                                                                                 | 0.034000                  |                                                         | 20.00          | 0.006800                          |  |                                                                             |  |
| 10017AA                                                                                  | BITTER MELON    | 21 COOKED-NFS                                                                            |       | P 1.000000                                                                                                 | 0.034000                  |                                                         | 50.00          | 0.017000                          |  |                                                                             |  |
| 10020AA                                                                                  | TOMELGOURD      | 00 NOT SPECIFIED                                                                         |       | P 1.000000                                                                                                 | 1.000000                  |                                                         | 20.00          | 0.200000                          |  |                                                                             |  |
| 11003AA                                                                                  | PEPPERS, SWEET  | 10 RAW-FRESH OR NFS                                                                      |       | P 0.200000                                                                                                 | 0.050000                  |                                                         | 1.00           | 0.000500                          |  |                                                                             |  |
| 11003AA                                                                                  | PEPPERS, SWEET  | 21 COOKED-NFS                                                                            |       | P 0.200000                                                                                                 | 0.050000                  |                                                         | 1.00           | 0.000500                          |  |                                                                             |  |
| 11005AA                                                                                  | TOMATOES-WHOLE  | 10 RAW-FRESH OR NFS                                                                      |       | P 5.000000                                                                                                 | 0.196000                  |                                                         | 40.00          | 0.078400                          |  |                                                                             |  |
| 11005AA                                                                                  | TOMATOES-WHOLE  | 21 COOKED-NFS                                                                            |       | P 5.000000                                                                                                 | 0.196000                  |                                                         | 40.00          | 0.078400                          |  |                                                                             |  |
| 11005AA                                                                                  | TOMATOES-WHOLE  | 31 COOKED-FRESH OR CANNED                                                                |       | P 5.000000                                                                                                 | 0.196000                  |                                                         | 40.00          | 0.078400                          |  |                                                                             |  |
| 11005JA                                                                                  | TOMATOES-JUICE  | 10 RAW-FRESH OR NFS                                                                      |       | P 5.000000                                                                                                 | 0.196000                  |                                                         | 40.00          | 0.078400                          |  |                                                                             |  |
| 11005JA                                                                                  | TOMATOES-JUICE  | 21 COOKED-NFS                                                                            |       | P 5.000000                                                                                                 | 0.161000C                 |                                                         | 40.00          | 0.064400                          |  |                                                                             |  |
| 11005RA                                                                                  | TOMATOES-PUREE  | 10 RAW-FRESH OR NFS                                                                      |       | P 50.000000                                                                                                | 0.012000C                 |                                                         | 40.00          | 0.004800                          |  |                                                                             |  |
| 11005RA                                                                                  | TOMATOES-PUREE  | 31 COOKED-FRESH OR CANNED                                                                |       | P 50.000000                                                                                                | 0.012000C                 |                                                         | 40.00          | 0.004800                          |  |                                                                             |  |
| 11005RA                                                                                  | TOMATOES-PUREE  | 32 COOKED-FRESH OR CANNED                                                                |       | P 50.000000                                                                                                | 0.012000C                 |                                                         | 40.00          | 0.004800                          |  |                                                                             |  |
| 11005RA                                                                                  | TOMATOES-PUREE  | 51 COOKED-CANNED                                                                         |       | P 50.000000                                                                                                | 0.012000C                 |                                                         | 40.00          | 0.004800                          |  |                                                                             |  |
| 11005TA                                                                                  | TOMATOES-PASTE  | 21 COOKED-NFS                                                                            |       | P 50.000000                                                                                                | 0.426000C                 |                                                         | 40.00          | 0.170400                          |  |                                                                             |  |

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# ANTICIPATED RESIDUE INFORMATION FOR CASSELL NUMBER 075A

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| CHEMICAL                                                                              | STUDY TYPE                                                                                                                  | EFFECTS                                                                                                             | REFERENCE DOSES                          |           | DATA GAPS/COMMENTS | STATUS   |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------|--------------------|----------|
|                                                                                       |                                                                                                                             |                                                                                                                     | ADI                                      | UF -->100 |                    |          |
| Bromyl<br>Caswell #075A<br>CAS No. 17804-35-2<br>A.I. CODE: 099101<br>CFR No. 180.294 | 3gen reprod. rat<br>MOEL =<br>5.0000 mg/kg<br>100.00 ppm<br>LEI =<br>25.0000 mg/kg<br>500.00 ppm<br>ONCO: Class C (SAP/HED) | Decreased pup body wts.<br>Positive oncogenicity in<br>mice only, negative in<br>rats, TOX Peer Review<br>complete. | OPP RfD = 0.050000<br>EPA RfD = 0.050000 | 0*        | 0.00420            | On IRIS. |

| FOOD CODE | FOOD             | FOOD FORM                 | PET. # | TOLERANCE (ppm) | ANTICIPATED RESIDUE (ppm) | AR STATISTIC TYPE | % CROP TREATED | RES. VALUE USED IN TAS RUN (ppm) |
|-----------|------------------|---------------------------|--------|-----------------|---------------------------|-------------------|----------------|----------------------------------|
| 110051A   | TOMATOES-PASTE   | 22 COOKED-FRESH-BAKED     |        | P 50.00000      | 0.426000C                 |                   | 40.00          | 0.170400                         |
| 110051A   | TOMATOES-PASTE   | 31 COOKED-FRESH OR CANNED |        | P 50.00000      | 0.426000C                 |                   | 40.00          | 0.170400                         |
| 110051A   | TOMATOES-CATSUP  | 21 COOKED-NFS             |        | P 50.00000      | 0.023000C                 |                   | 40.00          | 0.009200                         |
| 13002AA   | CELERY           | 10 RAW-FRESH OR NFS       |        | P 3.000000      | 0.245000                  |                   | 60.00          | 0.147000                         |
| 14003AA   | CARROTS          | 21 COOKED-NFS             |        | P 3.000000      | 0.245000                  |                   | 60.00          | 0.147000                         |
| 14003AA   | CARROTS          | 10 RAW-FRESH OR NFS       |        | P 0.200000      | 0.033000                  |                   | 60.00          | 0.147000                         |
| 14003AA   | CARROTS          | 21 COOKED-NFS             |        | P 0.200000      | 0.033000                  |                   | 1.00           | 0.000330                         |
| 14003AA   | CARROTS          | 23 COOKED-FRESH-BOILED    |        | P 0.200000      | 0.033000                  |                   | 1.00           | 0.000330                         |
| 14003AA   | CARROTS          | 31 COOKED-FRESH OR CANNED |        | P 0.200000      | 0.033000                  |                   | 1.00           | 0.000330                         |
| 14003AA   | CARROTS          | 51 COOKED-CANNED          |        | P 0.200000      | 0.033000                  |                   | 1.00           | 0.000330                         |
| 14018AA   | SWEETPOTATOES    | 21 COOKED-NFS             |        | P 0.200000      | 0.008000                  |                   | 1.00           | 0.000080                         |
| 14018AA   | SWEETPOTATOES    | 31 COOKED-FRESH OR CANNED |        | P 0.200000      | 0.008000                  |                   | 1.00           | 0.000080                         |
| 15001AA   | BEANS-DRY-GRT NO | 00 NOT SPECIFIED          |        | P 0.200000      | 0.008000                  |                   | 1.00           | 0.000080                         |
| 15001AB   | BEANS-DRY-KIDNEY | 21 COOKED-NFS             |        | P 2.000000      | 0.270000                  |                   | 20.00          | 0.054000                         |
| 15001AB   | BEANS-DRY-KIDNEY | 31 COOKED-FRESH OR CANNED |        | P 2.000000      | 0.270000                  |                   | 20.00          | 0.054000                         |
| 15001AC   | BEANS-DRY-LIMA   | 21 COOKED-NFS             |        | P 2.000000      | 0.270000                  |                   | 20.00          | 0.054000                         |
| 15001AD   | BEANS-DRY-NAVY   | 21 COOKED-NFS             |        | P 2.000000      | 0.132000                  |                   | 20.00          | 0.026400                         |
| 15001AD   | BEANS-DRY-NAVY   | 31 COOKED-FRESH OR CANNED |        | P 2.000000      | 0.270000                  |                   | 20.00          | 0.054000                         |
| 15001AE   | BEANS-DRY-OTHER  | 21 COOKED-NFS             |        | P 2.000000      | 0.270000                  |                   | 20.00          | 0.054000                         |
| 15001AE   | BEANS-DRY-OTHER  | 25 COOKED-FRESH-FRIED     |        | P 2.000000      | 0.270000                  |                   | 20.00          | 0.054000                         |
| 15001AE   | BEANS-DRY-OTHER  | 31 COOKED-FRESH OR CANNED |        | P 2.000000      | 0.270000                  |                   | 20.00          | 0.054000                         |
| 15001AF   | BEANS-DRY-PINTO  | 21 COOKED-NFS             |        | P 2.000000      | 0.270000                  |                   | 20.00          | 0.054000                         |
| 15006AA   | PEANUTS-WHOLE    | 10 RAW-FRESH OR NFS       |        | P 0.200000      | 0.007000                  |                   | 20.00          | 0.054000                         |
| 15006AA   | PEANUTS-WHOLE    | 21 COOKED-NFS             |        | P 0.200000      | 0.007000                  |                   | 20.00          | 0.054000                         |
| 15006AA   | PEANUTS-WHOLE    | 22 COOKED-FRESH-BAKED     |        | P 0.200000      | 0.007000                  |                   | 20.00          | 0.054000                         |
| 15013AA   | MUNG BEANS       | 10 RAW-FRESH OR NFS       |        | P 0.200000      | 0.007000                  |                   | 10.00          | 0.000700                         |
| 15013AA   | MUNG BEANS       | 21 COOKED-NFS             |        | P 2.000000      | 0.270000                  |                   | 10.00          | 0.000700                         |
| 15022AA   | BEANS-DRY-BROAD  | 00 NOT SPECIFIED          |        | P 2.000000      | 0.270000                  |                   | 10.00          | 0.027000                         |
| 15022AA   | BEANS-DRY-BROAD  | 21 COOKED-NFS             |        | P 2.000000      | 0.270000                  |                   | 10.00          | 0.027000                         |
| 15027AA   | BEANS-UNSPEC     | 21 COOKED-NFS             |        | P 2.000000      | 0.270000                  |                   | 20.00          | 0.054000                         |
| 15029AA   | SOYBEAN-SPROUTED | 00 NOT SPECIFIED          |        | P 2.000000      | 0.270000                  |                   | 20.00          | 0.054000                         |
| 15030AA   | BEANS-DRY-HYAC   | 00 NOT SPECIFIED          |        | P 0.200000      | 0.036000                  |                   | 20.00          | 0.054000                         |
| 15031AA   | BLKEYE PEAS-DRY  | 21 COOKED-NFS             |        | P 2.000000      | 0.270000                  |                   | 2.00           | 0.000720                         |
| 15032AA   | BEANS-DRY        | 21 COOKED-NFS             |        | P 2.000000      | 0.270000                  |                   | 20.00          | 0.054000                         |
| 15032AA   | BEANS-DRY        | 31 COOKED-FRESH OR CANNED |        | P 2.000000      | 0.270000                  |                   | 20.00          | 0.054000                         |
| 16003AA   | MUSHROOMS        | 10 RAW-FRESH OR NFS       |        | P 10.00000      | 1.630000                  |                   | 20.00          | 0.054000                         |
| 16003AA   | MUSHROOMS        | 21 COOKED-NFS             |        | P 10.00000      | 1.630000                  |                   | 20.00          | 0.326000                         |
| 16003AA   | MUSHROOMS        | 31 COOKED-FRESH OR CANNED |        | P 10.00000      | 1.630000                  |                   | 20.00          | 0.326000                         |
| 16003AA   | MUSHROOMS        | 53 COOKED-CANNED-BOILED   |        | P 10.00000      | 1.630000                  |                   | 20.00          | 0.326000                         |

# ANTICIPATED RESIDUE INFORMATION FOR CASSELL NUMBER 075A

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| CHEMICAL                                                                              | STUDY TYPE                                                                             | EFFECTS                                                                                                             | REFERENCE DOSES                        |           | DATA GAPS/COMMENTS | STATUS                                                                                  |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------|--------------------|-----------------------------------------------------------------------------------------|
|                                                                                       |                                                                                        |                                                                                                                     | ADI                                    | UF -->100 |                    |                                                                                         |
| Benzyl<br>Caswell #075A<br>CAS No. 17804-35-2<br>A.I. CODE: 099101<br>CFR No. 180.294 | 3gen repod - rat<br>NOEL= 5,000 mg/kg<br>LEI= 100.00 ppm<br>25,000 mg/kg<br>500.00 ppm | Decreased pup body wts.<br>Positive oncogenicity in<br>mice only, negative in<br>rats, TOX Peer Review<br>complete. | OPR RfD= 0.050000<br>EPA RfD= 0.050000 |           | No data gaps.      | HED complete 03/07/86.<br>EPA verified 03/26/86.<br>WHO last reviewed 1983.<br>On IRIS. |
| OHCD: Class C (SNP/HED)                                                               |                                                                                        |                                                                                                                     | Q*: 0.00420                            |           | Q* calculated.     |                                                                                         |

| FOOD CODE | FOOD             | FOOD FORM                 | PET. # | TOLERANCE (ppm) | ANTICIPATED RESIDUE (ppm) | AR STATISTIC TYPE | % CROP TREATED | RES. VALUE USED IN TAS RUN (ppm) |
|-----------|------------------|---------------------------|--------|-----------------|---------------------------|-------------------|----------------|----------------------------------|
| 24001AA   | BARLEY           | 21 COOKED-NFS             | P      | 0.200000        | 0.039000                  |                   | 1.00           | 0.000390                         |
| 24004AA   | RICE-ROUGH       | 21 COOKED-NFS             | P      | 5.000000        | 0.082000                  |                   | 30.00          | 0.024600                         |
| 24004AA   | RICE-ROUGH       | 23 COOKED-FRESH-BOILED    | P      | 5.000000        | 0.082000                  |                   | 30.00          | 0.024600                         |
| 24004AB   | RICE-MILLED      | 21 COOKED-NFS             | P      | 5.000000        | 0.000700                  |                   | 30.00          | 0.000210                         |
| 24004AB   | RICE-MILLED      | 22 COOKED-FRESH-BAKED     | P      | 5.000000        | 0.000700                  |                   | 30.00          | 0.000210                         |
| 24004AB   | RICE-MILLED      | 23 COOKED-FRESH-BOILED    | P      | 5.000000        | 0.000700                  |                   | 30.00          | 0.000210                         |
| 24007AA   | WHEAT-ROUGH      | 10 RAW-FRESH OR NFS       | P      | 0.200000        | 0.048000                  |                   | 2.00           | 0.000960                         |
| 24007AA   | WHEAT-ROUGH      | 21 COOKED-NFS             | P      | 0.200000        | 0.048000                  |                   | 2.00           | 0.000960                         |
| 24007AA   | WHEAT-ROUGH      | 22 COOKED-FRESH-BAKED     | P      | 0.200000        | 0.048000                  |                   | 2.00           | 0.000960                         |
| 24007AA   | WHEAT-ROUGH      | 23 COOKED-FRESH-BAKED     | P      | 0.200000        | 0.048000                  |                   | 2.00           | 0.000960                         |
| 24007GA   | WHEAT-GERM       | 10 RAW-FRESH OR NFS       | P      | 0.200000        | 0.048000                  |                   | 2.00           | 0.000960                         |
| 24007GA   | WHEAT-GERM       | 22 COOKED-FRESH-BAKED     | P      | 0.200000        | 0.048000                  |                   | 2.00           | 0.000960                         |
| 24007HA   | WHEAT-BRAN       | 10 RAW-FRESH OR NFS       | P      | 0.200000        | 0.048000                  |                   | 2.00           | 0.000960                         |
| 24007HA   | WHEAT-BRAN       | 21 COOKED-NFS             | P      | 0.200000        | 0.048000                  |                   | 2.00           | 0.000960                         |
| 24007HA   | WHEAT-BRAN       | 22 COOKED-FRESH-BAKED     | P      | 0.200000        | 0.048000                  |                   | 2.00           | 0.000960                         |
| 24007HA   | WHEAT-FLOUR      | 10 RAW-FRESH OR NFS       | P      | 0.200000        | 0.048000                  |                   | 2.00           | 0.000960                         |
| 24007HA   | WHEAT-FLOUR      | 21 COOKED-NFS             | P      | 0.200000        | 0.048000                  |                   | 2.00           | 0.000960                         |
| 24007HA   | WHEAT-FLOUR      | 22 COOKED-FRESH-BAKED     | P      | 0.200000        | 0.048000                  |                   | 2.00           | 0.000960                         |
| 25002SA   | BEET SUGAR       | 10 RAW-FRESH OR NFS       | P      | 0.200000        | 0.044000                  |                   | 2.00           | 0.000880                         |
| 25002SA   | BEET SUGAR       | 21 COOKED-NFS             | P      | 0.200000        | 0.044000                  |                   | 2.00           | 0.000880                         |
| 25002SA   | BEET SUGAR       | 22 COOKED-FRESH-BAKED     | P      | 0.200000        | 0.044000                  |                   | 2.00           | 0.000880                         |
| 27002OA   | CORN, GRAIN-OIL  | 18 PROCESSED OIL          | P      | 0.200000        | 0.200000                  |                   | 10.00          | 0.020000                         |
| 27002OA   | PEANUTS-OIL      | 18 PROCESSED OIL          | P      | 0.200000        | 0.015000                  |                   | 2.00           | 0.000300                         |
| 28023AA   | SOYBEANS-UNSPEC  | 21 COOKED-NFS             | P      | 0.200000        | 0.036000                  |                   | 2.00           | 0.000720                         |
| 28023AB   | SOYBEANS-DRY     | 10 RAW-FRESH OR NFS       | P      | 0.200000        | 0.036000                  |                   | 2.00           | 0.000720                         |
| 28023AB   | SOYBEANS-DRY     | 21 COOKED-NFS             | P      | 0.200000        | 0.036000                  |                   | 2.00           | 0.000720                         |
| 28023AB   | SOYBEANS-DRY     | 23 COOKED-FRESH-BOILED    | P      | 0.200000        | 0.036000                  |                   | 2.00           | 0.000720                         |
| 28023AB   | SOYBEANS-DRY     | 25 COOKED-FRESH-FRIED     | P      | 0.200000        | 0.036000                  |                   | 2.00           | 0.000720                         |
| 28023AB   | SOYBEANS-DRY     | 31 COOKED-FRESH OR CANNED | P      | 0.200000        | 0.036000                  |                   | 2.00           | 0.000720                         |
| 28023AA   | SOY-FL, FULL FAT | 21 COOKED-NFS             | P      | 0.200000        | 0.015000                  |                   | 2.00           | 0.000300                         |
| 28023AA   | SOY-FL, FULL FAT | 22 COOKED-FRESH-BAKED     | P      | 0.200000        | 0.015000                  |                   | 2.00           | 0.000300                         |
| 28023MB   | SOY-FL, LOW FAT  | 21 COOKED-NFS             | P      | 0.200000        | 0.015000                  |                   | 2.00           | 0.000300                         |
| 28023MC   | SOY-FL, DEFAT    | 10 RAW-FRESH OR NFS       | P      | 0.200000        | 0.015000                  |                   | 2.00           | 0.000300                         |
| 28023MC   | SOY-FL, DEFAT    | 21 COOKED-NFS             | P      | 0.200000        | 0.015000                  |                   | 2.00           | 0.000300                         |
| 28023MC   | SOY-FL, DEFAT    | 22 COOKED-FRESH-BAKED     | P      | 0.200000        | 0.015000                  |                   | 2.00           | 0.000300                         |

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# ANTICIPATED RESIDUE INFORMATION FOR CASSELL NUMBER 075A

DATE: 05/17/91

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| CHEMICAL                                                                              | STUDY TYPE                                                                                                          | EFFECTS                                                                                                             | REFERENCE DOSES                       |     | DATA GAPS/COMMENTS | STATUS                                                                      |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----|--------------------|-----------------------------------------------------------------------------|
|                                                                                       |                                                                                                                     |                                                                                                                     | ADI                                   | UF  |                    |                                                                             |
| Benzyl<br>Caswell #075A<br>CAS No. 17804-35-2<br>A.I. CODE: 099101<br>CFR No. 180.294 | 3gen reprod. rat<br>NOEL= 5,0000 mg/kg<br>FEL= 100.00 ppm<br>25,0000 mg/kg<br>500.00 ppm<br>ONCO: Class C (SAP/HED) | Decreased pup body wts.<br>Positive oncogenicity in<br>mice only, negative in<br>rats, TOX Peer Review<br>complete. | OP RfD= 0.050000<br>EPA RfD= 0.050000 | 100 | No data gaps.      | HED complete 03/07/86.<br>EPA verified 03/26/86.<br>WHO last reviewed 1983. |
|                                                                                       |                                                                                                                     |                                                                                                                     | 0.00420                               |     | 0.0 calculated.    | On IRIS.                                                                    |

| FOOD CODE | FOOD             | FOOD FORM                                 | PET. # | TOLERANCE (ppm) | ANTICIPATED RESIDUE (ppm) | AR STATISTIC TYPE | % CROP TREATED | RES. VALUE USED IN TAS RUN (ppm) |
|-----------|------------------|-------------------------------------------|--------|-----------------|---------------------------|-------------------|----------------|----------------------------------|
| 28023MC   | SOY-FL, DEFAT    | 51 COOKED-CANNED                          |        | P 0.200000      | 0.015000                  |                   | 2.00           | 0.000300                         |
| 28023MC   | SOY-FL, DEFAT    | 53 COOKED-CANNED-BOILED                   |        | P 0.200000      | 0.015000                  |                   | 2.00           | 0.000300                         |
| 28080AA   | PEPPERMINT       | 00 NOT SPECIFIED (NO CONSUMPTION)         | OE3820 | N 10.00000      | 10.000000                 |                   | 100.00         | 10.000000                        |
| 28081AA   | SPEARMINT        | 00 NOT SPECIFIED (NO CONSUMPTION)         | OE3820 | N 10.00000      | 10.000000                 |                   | 100.00         | 10.000000                        |
| 43058AA   | WINE AND SHERRY  | 10 RAW-FRESH OR NFS                       |        | P 10.00000      | 1.100000                  |                   | 30.00          | 0.330000                         |
| 43058AA   | WINE AND SHERRY  | 21 COOKED-NFS                             |        | P 10.00000      | 1.100000                  |                   | 30.00          | 0.330000                         |
| 5000008   | MILK-NON-FAT SOL | 10 RAW-FRESH OR NFS                       |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 5000008   | MILK-NON-FAT SOL | 21 COOKED-NFS                             |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 5000008   | MILK-NON-FAT SOL | 51 COOKED-NFS                             |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 50000FA   | MILK-FAT SOLIDS  | 10 RAW-FRESH OR NFS                       |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 50000FA   | MILK-FAT SOLIDS  | 21 COOKED-NFS                             |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 50000FA   | MILK-FAT SOLIDS  | 51 COOKED-NFS                             |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 50000SA   | MILK SLUG (LACT) | 21 COOKED-NFS                             |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 50000SA   | MILK SLUG (LACT) | 51 COOKED-NFS                             |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 530018A   | BEEF-HEAT BYP    | 21 COOKED-NFS                             |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 530018A   | BEEF-HEAT BYP    | 26 COOKED-FRESH-PICKLED, CORNED, OR CURED |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 530018B   | BEEF-OTH ORGAN   | 21 COOKED-NFS                             |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 530018B   | BEEF-OTH ORGAN   | 51 COOKED-NFS                             |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53001DA   | BEEF-DRIED       | 21 COOKED-NFS                             |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53001FA   | BEEF-FAT         | 23 COOKED-FRESH-BOILED                    |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53001FA   | BEEF-FAT         | 10 RAW-FRESH OR NFS                       |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53001FA   | BEEF-FAT         | 21 COOKED-NFS                             |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53001FA   | BEEF-FAT         | 22 COOKED-FRESH-BAKED                     |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53001FA   | BEEF-FAT         | 24 COOKED-FRESH-BROILED                   |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53001KA   | BEEF-KIDNEY      | 25 COOKED-FRESH-FRIED                     |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53001KA   | BEEF-KIDNEY      | 25 COOKED-FRESH-FRIED                     |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53001LA   | BEEF-LIVER       | 31 COOKED-FRESH-FRIED                     |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53001LA   | BEEF-LIVER       | 31 COOKED-FRESH OR CANNED                 |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53001MA   | BEEF-LEAN        | 10 RAW-FRESH OR NFS                       |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53001MA   | BEEF-LEAN        | 21 COOKED-NFS                             |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53001MA   | BEEF-LEAN        | 22 COOKED-FRESH-BAKED                     |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53001MA   | BEEF-LEAN        | 23 COOKED-FRESH-BOILED                    |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53001MA   | BEEF-LEAN        | 24 COOKED-FRESH-BROILED                   |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53002BA   | GOAT-MEAT BYP    | 00 NOT SPECIFIED                          |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53002BA   | GOAT-MEAT BYP    | 00 NOT SPECIFIED                          |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53002FA   | GOAT-FAT         | 23 COOKED-FRESH-BOILED                    |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53002FA   | GOAT-FAT         | 25 COOKED-FRESH-FRIED                     |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53002KA   | GOAT-KIDNEY      | 00 NOT SPECIFIED                          |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53002LA   | GOAT-LIVER       | 00 NOT SPECIFIED                          |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |
| 53002MA   | GOAT-LEAN        | 23 COOKED-FRESH-BOILED                    |        | P 0.100000      | 0.000000                  |                   | 100.00         | 0.000000                         |

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| CHEMICAL                                                                               |                 | STUDY TYPE                                                                                                          |       | EFFECTS                                                                                                    |                           | REFERENCE DOSES                                            |                | DATA GAPS/COMMENTS               |  | STATUS                                                                      |  |
|----------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------|----------------|----------------------------------|--|-----------------------------------------------------------------------------|--|
| Benomyl<br>Caswell #075A<br>CAS No. 17804-35-2<br>A.1. CODE: 099101<br>CFR No. 180.294 |                 | 3gen reprod. rat<br>MOEL= 5,0000 mg/kg<br>100.00 ppm<br>LEL= 25,0000 mg/kg<br>500.00 ppm<br>ONCO: Class C (SAP/HED) |       | Decreased pup body wts.<br>Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete. |                           | ADI<br>UF -->100<br>OPP RfD= 0.050000<br>EPA RfD= 0.050000 |                | No data gaps.                    |  | HED complete 03/07/86.<br>EPA verified 03/26/86.<br>WHO last reviewed 1983. |  |
|                                                                                        |                 |                                                                                                                     |       | Q* = 0.00420                                                                                               |                           |                                                            |                | Q* calculated.                   |  | On IRIS.                                                                    |  |
| FOOD CODE                                                                              | FOOD            | FOOD FORM                                                                                                           | PET.# | TOLERANCE (ppm)                                                                                            | ANTICIPATED RESIDUE (ppm) | AR STATISTIC TYPE                                          | % CROP TREATED | RES. VALUE USED IN TAS RUN (ppm) |  |                                                                             |  |
| 53002MA                                                                                | GOAT-LEAN       | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53003MA                                                                                | HORSE           | 00 NOT SPECIFIED                                                                                                    |       | R 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53005BA                                                                                | SHEEP-MEAT BYP  | 21 COOKED-NFS                                                                                                       |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53005B8                                                                                | SHEEP-OTH ORGAN | 21 COOKED-NFS                                                                                                       |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53005FA                                                                                | SHEEP-FAT       | 21 COOKED-NFS                                                                                                       |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53005KA                                                                                | SHEEP-KIDNEY    | 21 COOKED-NFS                                                                                                       |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53005LA                                                                                | SHEEP-LIVER     | 00 NOT SPECIFIED                                                                                                    |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53005MA                                                                                | SHEEP-LEAN      | 21 COOKED-NFS                                                                                                       |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53005MA                                                                                | SHEEP-LEAN      | 31 COOKED-FRESH OR CANNED                                                                                           |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53006BA                                                                                | PORK-MEAT BYP   | 21 COOKED-NFS                                                                                                       |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53006B8                                                                                | PORK-OTH ORGAN  | 21 COOKED-NFS                                                                                                       |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53006B8                                                                                | PORK-OTH ORGAN  | 26 COOKED-FRESH-PICKLED, CORNED, OR CURED                                                                           |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53006FA                                                                                | PORK-FAT        | 10 RAW-FRESH OR NFS                                                                                                 |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53006FA                                                                                | PORK-FAT        | 21 COOKED-NFS                                                                                                       |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53006FA                                                                                | PORK-FAT        | 23 COOKED-FRESH-BOILED                                                                                              |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53006FA                                                                                | PORK-FAT        | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53006FA                                                                                | PORK-FAT        | 26 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53006KA                                                                                | PORK-KIDNEY     | 21 COOKED-NFS                                                                                                       |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53006LA                                                                                | PORK-LIVER      | 21 COOKED-NFS                                                                                                       |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53006LA                                                                                | PORK-LIVER      | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53006MA                                                                                | PORK-LEAN       | 21 COOKED-NFS                                                                                                       |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53006MA                                                                                | PORK-LEAN       | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53006MA                                                                                | PORK-LEAN       | 26 COOKED-FRESH-PICKLED, CORNED, OR CURED                                                                           |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53006MA                                                                                | PORK-LEAN       | 26 COOKED-FRESH-PICKLED, CORNED, OR CURED                                                                           |       | P 0.100000                                                                                                 | 0.000004                  |                                                            | 100.00         | 0.000004                         |  |                                                                             |  |
| 53008BA                                                                                | TURKEY-BYP      | 21 COOKED-NFS                                                                                                       |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008BA                                                                                | TURKEY-BYP      | 26 COOKED-FRESH-PICKLED, CORNED, OR CURED                                                                           |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008LA                                                                                | TURKEY ORGAN    | 21 COOKED-NFS                                                                                                       |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008LA                                                                                | TURKEY ORGAN    | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.200000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY W/O SKIN | 31 COOKED-FRESH OR CANNED                                                                                           |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY W/O SKIN | 62 COOKED-FRESH OR FROZEN-BAKED                                                                                     |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY W/O SKIN | 21 COOKED-NFS                                                                                                       |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 21 COOKED-NFS                                                                                                       |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 21 COOKED-NFS                                                                                                       |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 00 NOT SPECIFIED                                                                                                    |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.200000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         | 0.000003                         |  |                                                                             |  |
| 53008MA                                                                                | TURKEY+SKIN     | 25 COOKED-FRESH-FRIED                                                                                               |       | P 0.100000                                                                                                 | 0.000003                  |                                                            | 100.00         |                                  |  |                                                                             |  |

# ANTICIPATED RESIDUE INFORMATION FOR CASSELL NUMBER 075A

DATE: 05/17/91

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| CHEMICAL                                                                               | STUDY TYPE                                                                                                          | EFFECTS                                                                                                             | REFERENCE DOSES                        |    | DATA GAPS/COMMENTS | STATUS   |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------|----|--------------------|----------|
|                                                                                        |                                                                                                                     |                                                                                                                     | ADI                                    | UF |                    |          |
| Beromyl<br>Caswell #075A<br>CAS No. 17804-35-2<br>A.I. CODE: 099101<br>CFR No. 180.294 | 3gen reprod. rat<br>NOEL= 5,000 mg/kg<br>100.00 ppm<br>~ LEL= 25,000 mg/kg<br>500.00 ppm<br>ONCO: Class C (SAP/HED) | Decreased pup body wts.<br>Positive oncogenicity in<br>mice only, negative in<br>rats, TOX Peer Review<br>complete. | OPP RfD= 0.050000<br>EPA RfD= 0.050000 | 0* | 0.00420            | On IRIS. |

| FOOD CODE | FOOD             | FOOD FORM                                 | PET. # | TOLERANCE (ppm) | ANTICIPATED RESIDUE (ppm) | AR STATISTIC TYPE | % CROP TREATED | RES. VALUE USED IN TAS RUN (ppm) |
|-----------|------------------|-------------------------------------------|--------|-----------------|---------------------------|-------------------|----------------|----------------------------------|
| 55014AA   | EGGS-WHOLE       | 25 COOKED-FRESH-FRIED                     |        | P 0.100000      | 0.000004                  |                   | 100.00         | 0.000004                         |
| 55014AB   | EGGS-WHITE ONLY  | 10 RAW-FRESH OR NFS                       |        | P 0.100000      | 0.000004                  |                   | 100.00         | 0.000004                         |
| 55014AB   | EGGS-WHITE ONLY  | 21 COOKED-NFS                             |        | P 0.100000      | 0.000004                  |                   | 100.00         | 0.000004                         |
| 55014AB   | EGGS-WHITE ONLY  | 22 COOKED-FRESH-BAKED                     |        | P 0.100000      | 0.000004                  |                   | 100.00         | 0.000004                         |
| 55014AB   | EGGS-WHITE ONLY  | 62 COOKED-FRESH OR FROZEN-BAKED           |        | P 0.100000      | 0.000004                  |                   | 100.00         | 0.000004                         |
| 55014AB   | EGGS-WHITE ONLY  | 81 COOKED-FROZEN                          |        | P 0.100000      | 0.000004                  |                   | 100.00         | 0.000004                         |
| 55014AC   | EGGS-YOLK ONLY   | 10 RAW-FRESH OR NFS                       |        | P 0.100000      | 0.000004                  |                   | 100.00         | 0.000004                         |
| 55014AC   | EGGS-YOLK ONLY   | 21 COOKED-NFS                             |        | P 0.100000      | 0.000004                  |                   | 100.00         | 0.000004                         |
| 55014AC   | EGGS-YOLK ONLY   | 25 COOKED-FRESH-FRIED                     |        | P 0.100000      | 0.000004                  |                   | 100.00         | 0.000004                         |
| 55014AC   | EGGS-YOLK ONLY   | 31 COOKED-FRESH OR CANNED                 |        | P 0.100000      | 0.000004                  |                   | 100.00         | 0.000004                         |
| 55015BA   | CHICKEN-BYP      | 00 NOT SPECIFIED                          |        | P 0.100000      | 0.000004                  |                   | 100.00         | 0.000004                         |
| 55015LA   | CHICKEN-ORGAN    | 21 COOKED-NFS                             |        | P 0.100000      | 0.000003                  |                   | 100.00         | 0.000003                         |
| 55015LA   | CHICKEN-ORGAN    | 25 COOKED-FRESH-FRIED                     |        | P 0.200000      | 0.000003                  |                   | 100.00         | 0.000003                         |
| 55015LA   | CHICKEN-ORGAN    | 26 COOKED-FRESH-PICKLED, CORNED, OR CURED |        | P 0.200000      | 0.000003                  |                   | 100.00         | 0.000003                         |
| 55015MA   | CHICKEN-W/O SKIN | 21 COOKED-NFS                             |        | P 0.100000      | 0.000003                  |                   | 100.00         | 0.000003                         |
| 55015MA   | CHICKEN-W/O SKIN | 22 COOKED-FRESH-BAKED                     |        | P 0.100000      | 0.000003                  |                   | 100.00         | 0.000003                         |
| 55015MA   | CHICKEN-W/O SKIN | 25 COOKED-FRESH-FRIED                     |        | P 0.100000      | 0.000003                  |                   | 100.00         | 0.000003                         |
| 55015MA   | CHICKEN-W/O SKIN | 31 COOKED-FRESH OR CANNED                 |        | P 0.100000      | 0.000003                  |                   | 100.00         | 0.000003                         |
| 55015MB   | CHICKEN+SKIN     | 21 COOKED-NFS                             |        | P 0.100000      | 0.000003                  |                   | 100.00         | 0.000003                         |
| 55015MB   | CHICKEN+SKIN     | 25 COOKED-FRESH-FRIED                     |        | P 0.100000      | 0.000003                  |                   | 100.00         | 0.000003                         |

## TABLE 2

## TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 05/17/91

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| CHEMICAL INFORMATION                                                                    |  | STUDY TYPE                                                                                                          |  | EFFECTS                                                                                                             |          | REFERENCE DOSES                                                        |          | DATA GAPS/COMMENTS               |         | STATUS                                                                                  |  |
|-----------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------|----------|----------------------------------|---------|-----------------------------------------------------------------------------------------|--|
| Benzomyl<br>Caswell #075A<br>CAS No. 17804-35-2<br>A.I. CODE: 099101<br>CFR No. 180.294 |  | 3gen reprod. rat<br>NOEL= 5.0000 mg/kg<br>100.00 ppm<br>LEL= 25.0000 mg/kg<br>500.00 ppm<br>ONCO: Class C (SAP/HED) |  | Decreased pup body wts.<br>Positive oncogenicity in<br>mice only, negative in<br>rats, TOX Peer Review<br>complete. |          | ADI UF -->100<br>OPF RfD= 0.050000<br>EPA RfD= 0.050000<br>g*: 0.00420 |          | No data gaps.<br>g* calculated.  |         | HED complete 03/07/86.<br>EPA verified 03/26/86.<br>WHO last reviewed 1983.<br>On IRIS. |  |
| POPULATION SUBGROUP                                                                     |  |                                                                                                                     |  |                                                                                                                     |          |                                                                        |          |                                  |         |                                                                                         |  |
| TOTAL TMRC (MG/KG BODY WEIGHT/DAY)                                                      |  |                                                                                                                     |  |                                                                                                                     |          |                                                                        |          |                                  |         |                                                                                         |  |
| CURRENT TMRC*                                                                           |  |                                                                                                                     |  | NEW TMRC**                                                                                                          |          |                                                                        |          | NEW TMRC<br>AS PERCENT<br>OF RFD |         | DIFFERENCE<br>AS PERCENT<br>OF RFD                                                      |  |
|                                                                                         |  |                                                                                                                     |  |                                                                                                                     |          |                                                                        |          |                                  |         | EFFECT OF ANTICIPATED RESIDUES<br>ARC                                                   |  |
|                                                                                         |  |                                                                                                                     |  |                                                                                                                     |          |                                                                        |          |                                  |         | XRFD                                                                                    |  |
| U.S. POPULATION - 48 STATES                                                             |  |                                                                                                                     |  | 0.066571                                                                                                            | 0.066571 | 133.142978                                                             | 0.000040 | 0.000431                         | 0.86250 |                                                                                         |  |
| U.S. POPULATION - SPRING SEASON                                                         |  |                                                                                                                     |  | 0.063330                                                                                                            | 0.063330 | 126.660542                                                             | 0.000000 | 0.000428                         | 0.85603 |                                                                                         |  |
| U.S. POPULATION - SUMMER SEASON                                                         |  |                                                                                                                     |  | 0.064671                                                                                                            | 0.064671 | 129.341048                                                             | 0.000000 | 0.000494                         | 0.98829 |                                                                                         |  |
| U.S. POPULATION - FALL SEASON                                                           |  |                                                                                                                     |  | 0.068922                                                                                                            | 0.068922 | 137.844296                                                             | 0.000000 | 0.000406                         | 0.81238 |                                                                                         |  |
| U.S. POPULATION - WINTER SEASON                                                         |  |                                                                                                                     |  | 0.069298                                                                                                            | 0.069298 | 138.596526                                                             | 0.000000 | 0.000393                         | 0.78623 |                                                                                         |  |
| NORTHEAST REGION                                                                        |  |                                                                                                                     |  | 0.078084                                                                                                            | 0.078084 | 156.167902                                                             | 0.000000 | 0.000500                         | 1.00073 |                                                                                         |  |
| NORTH CENTRAL REGION                                                                    |  |                                                                                                                     |  | 0.066262                                                                                                            | 0.066262 | 132.524078                                                             | 0.000000 | 0.000424                         | 0.84837 |                                                                                         |  |
| SOUTHERN REGION                                                                         |  |                                                                                                                     |  | 0.053553                                                                                                            | 0.053553 | 107.106942                                                             | 0.000000 | 0.000319                         | 0.63857 |                                                                                         |  |
| WESTERN REGION                                                                          |  |                                                                                                                     |  | 0.073983                                                                                                            | 0.073983 | 147.966286                                                             | 0.000000 | 0.000538                         | 1.07519 |                                                                                         |  |
| HISPANICS                                                                               |  |                                                                                                                     |  |                                                                                                                     |          |                                                                        |          |                                  |         |                                                                                         |  |
| NON-HISPANIC WHITES                                                                     |  |                                                                                                                     |  | 0.080490                                                                                                            | 0.080490 | 160.979848                                                             | 0.000000 | 0.000443                         | 0.88633 |                                                                                         |  |
| NON-HISPANIC BLACKS                                                                     |  |                                                                                                                     |  | 0.067145                                                                                                            | 0.067145 | 134.290786                                                             | 0.000000 | 0.000454                         | 0.90819 |                                                                                         |  |
| NON-HISPANIC OTHERS                                                                     |  |                                                                                                                     |  | 0.054704                                                                                                            | 0.054704 | 109.408074                                                             | 0.000000 | 0.000271                         | 0.54120 |                                                                                         |  |
|                                                                                         |  |                                                                                                                     |  | 0.079311                                                                                                            | 0.079311 | 158.622464                                                             | 0.000000 | 0.000431                         | 0.86255 |                                                                                         |  |
| NURSING INFANTS (< 1 YEAR OLD)                                                          |  |                                                                                                                     |  | 0.152135                                                                                                            | 0.152135 | 304.270992                                                             | 0.000000 | 0.000843                         | 1.68640 |                                                                                         |  |
| NON-NURSING INFANTS (< 1 YEAR OLD)                                                      |  |                                                                                                                     |  | 0.250437                                                                                                            | 0.250437 | 500.874408                                                             | 0.000000 | 0.001441                         | 2.88288 |                                                                                         |  |
| FEMALES (13+ YEARS, PREGNANT)                                                           |  |                                                                                                                     |  | 0.052776                                                                                                            | 0.052776 | 105.552934                                                             | 0.000000 | 0.000345                         | 0.68990 |                                                                                         |  |
| FEMALES 13+ YEARS, NURSING                                                              |  |                                                                                                                     |  | 0.056291                                                                                                            | 0.056291 | 112.582936                                                             | 0.000000 | 0.000436                         | 0.87112 |                                                                                         |  |
| CHILDREN (1-6 YEARS OLD)                                                                |  |                                                                                                                     |  | 0.169423                                                                                                            | 0.169423 | 338.846648                                                             | 0.000000 | 0.001024                         | 2.04796 |                                                                                         |  |
| CHILDREN (7-12 YEARS OLD)                                                               |  |                                                                                                                     |  | 0.095410                                                                                                            | 0.095410 | 190.820410                                                             | 0.000000 | 0.000573                         | 1.14518 |                                                                                         |  |
| MALES (13-19 YEARS OLD)                                                                 |  |                                                                                                                     |  | 0.05165                                                                                                             | 0.05165  | 110.330438                                                             | 0.000000 | 0.000295                         | 0.58911 |                                                                                         |  |
| FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)                                         |  |                                                                                                                     |  | 0.051085                                                                                                            | 0.051085 | 102.169722                                                             | 0.000000 | 0.000290                         | 0.58070 |                                                                                         |  |
| MALES (20 YEARS AND OLDER)                                                              |  |                                                                                                                     |  | 0.043380                                                                                                            | 0.043380 | 86.760306                                                              | 0.000000 | 0.000309                         | 0.61728 |                                                                                         |  |
| FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)                                         |  |                                                                                                                     |  | 0.047891                                                                                                            | 0.047891 | 95.781490                                                              | 0.000000 | 0.000345                         | 0.69044 |                                                                                         |  |

\*Current TMRC does not include new or pending tolerances.  
 \*\*New TMRC includes new, pending, and published tolerances.

TOLERANCE ASSESSMENT SUMMARY FOR Benomyl  
USING ANTICIPATED RESIDUES  
CASWELL #075A

DATE: 05/17/91

ANALYSIS FOR POPULATION SUB-GROUP: U.S. POPULATION - 48 STATES

|                                                           |           |               |
|-----------------------------------------------------------|-----------|---------------|
| EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)            |           |               |
| RESULT IN AN ARC OF:                                      | 0.000431  | MG/KG/DAY     |
| THE EXISTING ARC IS EQUIVALENT TO:                        | 0.862     | % OF THE ADI. |
| PROPOSED NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY) |           |               |
| RESULT IN AN ARC OF:                                      | <0.000001 | MG/KG/DAY     |
| THESE NEW ANTICIPATED RESIDUES WILL OCCUPY:               | 0.000     | % OF THE ADI. |
| IF THE NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)   |           |               |
| ARE APPROVED THE RESULTANT ARC WILL BE:                   | 0.000431  | MG/KG/DAY     |
| THE NEW ARC WILL OCCUPY                                   | 0.863     | % OF THE ADI. |

NO OTHER PENDING ANTICIPATED RESIDUES ARE IN THE FILE

ANALYSIS FOR POPULATION SUB-GROUP: NON-NURSING INFANTS (< 1 YEAR OLD)

|                                                |          |               |
|------------------------------------------------|----------|---------------|
| EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY) |          |               |
| RESULT IN AN ARC OF:                           | 0.001441 | MG/KG/DAY     |
| THE EXISTING ARC IS EQUIVALENT TO:             | 2.883    | % OF THE ADI. |

NO NEW ANTICIPATED RESIDUES ARE IN THE FILE.

NO OTHER PENDING ANTICIPATED RESIDUES ARE IN THE FILE

ANALYSIS FOR POPULATION SUB-GROUP: CHILDREN (1-6 YEARS OLD)

|                                                |          |               |
|------------------------------------------------|----------|---------------|
| EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY) |          |               |
| RESULT IN AN ARC OF:                           | 0.001024 | MG/KG/DAY     |
| THE EXISTING ARC IS EQUIVALENT TO:             | 2.048    | % OF THE ADI. |

NO NEW ANTICIPATED RESIDUES ARE IN THE FILE.

NO OTHER PENDING ANTICIPATED RESIDUES ARE IN THE FILE

# ONCOGENIC RISK BY COMMODITY TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 05/17/91

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| CHEMICAL INFORMATION |                                                                             | STUDY TYPE                                                                                                             |                                                                                                                     | EFFECTS                                                   |            | REFERENCE DOSES |               | DATA GAPS/COMMENTS                                                          |          | STATUS |  |
|----------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------|-----------------|---------------|-----------------------------------------------------------------------------|----------|--------|--|
| Benzomyl             | Caswell #075A<br>CAS No. 17804-35-2<br>A.I. CODE: 099101<br>CFR No. 180.294 | 3gen reprod - rat<br>NOEL = 5.0000 mg/kg<br>100.00 ppm<br>LEL = 25.0000 mg/kg<br>500.00 ppm<br>OMCO: Class C (SAP/HED) | Decreased pup body wts.<br>Positive oncogenicity in<br>mice only, negative in<br>rats, TOX Peer Review<br>complete. | ADI UF -->100<br>OPP RfD = 0.050000<br>EPA RfD = 0.050000 | g* 0.00420 | g* calculated.  | No data gaps. | HED complete 03/07/86.<br>EPA verified 03/26/86.<br>WHO last reviewed 1983. | On IRIS. |        |  |

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

| FOOD CODE                          | FOODNAME/FOODFORM              | TOLERANCE (PPM) | TYPE | TMRC (UG/KG/DAY) | %RFD  | TMRC ONCO RISK | ANTICIPATED RESIDUE (PPM) | ARC (UG/KG/DAY) | %RFD  | ARC ONCO RISK |
|------------------------------------|--------------------------------|-----------------|------|------------------|-------|----------------|---------------------------|-----------------|-------|---------------|
| 03011AA                            | PISTACHIO NUTS                 | 0.200           | P    | 0.000051         | 0.000 | 0.00000000021  | 0.00975                   | 0.000002        | 0.000 | 0.000000      |
| 06001AA                            | AVOCADOS                       | 3.000           | P    | 0.037611         | 0.075 | 0.00000015797  | 0.01104                   | 0.000138        | 0.000 | 0.000000      |
| 06002AA                            | BANANAS-UNSPECIFIED            | 0.200           | P    | 0.000659         | 0.001 | 0.00000000277  | 0.05500                   | 0.000000        | 0.001 | 0.000000      |
| 06002AB                            | BANANAS-FRESH                  | 0.200           | P    | 0.044808         | 0.090 | 0.00000018819  | 0.05500                   | 0.000181        | 0.000 | 0.000000      |
| 06007AA                            | MANGOES                        | 3.000           | P    | 0.001662         | 0.003 | 0.00000000698  | 0.05500                   | 0.010877        | 0.022 | 0.000000      |
| 06016AA                            | PLANTAINS                      | 0.200           | P    | 0.000327         | 0.001 | 0.00000000137  | 0.05500                   | 0.000029        | 0.000 | 0.000000      |
| 16003AA                            | MUSHROOMS                      | 10.000          | P    | 0.213881         | 0.428 | 0.00000089830  | 0.05500                   | 0.000046        | 0.000 | 0.000000      |
| 43058AA                            | WINE AND SHERRY                | 10.000          | P    | 0.841956         | 1.684 | 0.00000353622  | 0.32600                   | 0.000489        | 0.001 | 0.000000      |
| CROP GROUP TOTALS FOR UNSPECIFIED: |                                |                 |      |                  |       |                |                           |                 |       |               |
| 14003AA                            | CARROTS                        | 0.200           | P    | 0.034696         | 0.069 | 0.00000014572  | 0.00033                   | 0.000013        | 0.000 | 0.000000      |
| 14018AA                            | SWEETPOTATOES (INCLUDING YAMS) | 0.200           | P    | 0.007767         | 0.016 | 0.00000003262  | 0.00008                   | 0.000003        | 0.000 | 0.000000      |
| 25002SA                            | BEET SUGAR                     | 0.200           | P    | 0.066422         | 0.133 | 0.00000027897  | 0.00008                   | 0.000000        | 0.000 | 0.000000      |
|                                    | 10 RAW-FRESH OR NFS            |                 |      |                  |       |                | 0.00088                   | 0.000034        | 0.000 | 0.000000      |
|                                    | 21 COOKED-NFS                  |                 |      |                  |       |                | 0.00088                   | 0.000075        | 0.000 | 0.000000      |

## TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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## CHEMICAL INFORMATION

## STUDY TYPE

## EFFECTS

## REFERENCE DOSES

## DATA GAPS/COMMENTS

## STATUS

Benomy1  
Caswell #075A  
CAS No. 17804-35-2  
A.I. CODE: 099101  
CFR No. 180.294

3gen reprod. rat  
NOEL= 5.0000 mg/kg  
100.00 ppm  
LEL= 25.0000 mg/kg  
500.00 ppm  
ONCO: Class C (SAP/HED)

Decreased pup body wts.  
Positive oncogenicity in  
mice only, negative in  
rats, TOX Peer Review  
complete.

ADI UF -->100  
OPP RfD= 0.050000  
EPA RfD= 0.050000

No data gaps.

HED complete 03/07/86.  
EPA verified 03/26/86.  
WHO last reviewed 1983.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

| FOOD CODE | FOODNAME/FOODFORM | TOLERANCE (PPM) | TYPE | TMRC (UG/KG/DAY) | %RfD | TMRC ONCO RISK | ANTICIPATED RESIDUE (PPM) | ARC (UG/KG/DAY) | %RfD | ARC ONCO RISK |
|-----------|-------------------|-----------------|------|------------------|------|----------------|---------------------------|-----------------|------|---------------|
|-----------|-------------------|-----------------|------|------------------|------|----------------|---------------------------|-----------------|------|---------------|

22 COOKED-FRESH-BAKED  
31 COOKED-FRESH OR CANNED

CROP GROUP TOTALS FOR ROOT AND TUBER VEGETABLES:

|         |        |       |   |          |       |               |         |          |       |              |
|---------|--------|-------|---|----------|-------|---------------|---------|----------|-------|--------------|
| 13002AA | CELERY | 3.000 | P | 0.182883 | 0.366 | 0.00000076811 | 0.14700 | 0.007027 | 0.014 | 0.0000002951 |
|---------|--------|-------|---|----------|-------|---------------|---------|----------|-------|--------------|

10 RAW-FRESH OR NFS  
21 COOKED-NFS

|         |                          |       |   |          |       |               |         |          |       |               |
|---------|--------------------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|
| 15001AA | BEANS-DRY-GREAT NORTHERN | 2.000 | P | 0.000002 | 0.000 | 0.00000000001 | 0.05400 | 0.000000 | 0.000 | 0.00000000000 |
|---------|--------------------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|

00 NOT SPECIFIED

|         |                  |       |   |          |       |               |         |          |       |              |
|---------|------------------|-------|---|----------|-------|---------------|---------|----------|-------|--------------|
| 15001AB | BEANS-DRY-KIDNEY | 2.000 | P | 0.027263 | 0.055 | 0.00000011450 | 0.05400 | 0.000638 | 0.001 | 0.0000000268 |
|---------|------------------|-------|---|----------|-------|---------------|---------|----------|-------|--------------|

31 COOKED-FRESH OR CANNED

|         |                |       |   |          |       |               |         |          |       |              |
|---------|----------------|-------|---|----------|-------|---------------|---------|----------|-------|--------------|
| 15001AC | BEANS-DRY-LIMA | 2.000 | P | 0.015978 | 0.032 | 0.00000006711 | 0.05400 | 0.000099 | 0.000 | 0.0000000042 |
|---------|----------------|-------|---|----------|-------|---------------|---------|----------|-------|--------------|

21 COOKED-NFS

|         |                      |       |   |          |       |               |         |          |       |               |
|---------|----------------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|
| 15001AD | BEANS-DRY-NAVY (PEA) | 2.000 | P | 0.074815 | 0.150 | 0.00000031422 | 0.02640 | 0.000211 | 0.000 | 0.00000000089 |
|---------|----------------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|

31 COOKED-FRESH OR CANNED

|         |                 |       |   |          |       |               |         |          |       |               |
|---------|-----------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|
| 15001AE | BEANS-DRY-OTHER | 2.000 | P | 0.079650 | 0.159 | 0.00000033453 | 0.05400 | 0.000478 | 0.001 | 0.00000000201 |
|---------|-----------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|

21 COOKED-NFS

|         |                       |       |   |          |       |               |         |          |       |               |
|---------|-----------------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|
| 15001AF | BEANS-DRY-FRESH-FRIED | 2.000 | P | 0.072700 | 0.145 | 0.00000030534 | 0.05400 | 0.000347 | 0.001 | 0.00000000146 |
|---------|-----------------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|

31 COOKED-FRESH OR CANNED

|         |               |       |   |          |       |               |         |          |       |               |
|---------|---------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|
| 15006AA | PEANUTS-WHOLE | 2.000 | P | 0.013916 | 0.028 | 0.00000005845 | 0.05400 | 0.001963 | 0.004 | 0.00000000824 |
|---------|---------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|

10 RAW-FRESH OR NFS

|         |                      |       |   |          |       |               |         |          |       |               |
|---------|----------------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|
| 15013AA | MUNG BEANS (SPROUTS) | 2.000 | P | 0.013304 | 0.027 | 0.00000005588 | 0.00070 | 0.000001 | 0.000 | 0.00000000000 |
|---------|----------------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|

22 COOKED-FRESH-BAKED

|         |                                   |       |   |          |       |               |         |          |       |               |
|---------|-----------------------------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|
| 15022AA | BEANS-DRY-BROADBEANS(MATURE SEED) | 2.000 | P | 0.000002 | 0.000 | 0.00000000001 | 0.02700 | 0.000020 | 0.000 | 0.00000000008 |
|---------|-----------------------------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|

00 NOT SPECIFIED

|         |                        |       |   |          |       |               |         |          |       |               |
|---------|------------------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|
| 15023AA | BEANS-DRY-PIGEON BEANS | 2.000 | P | 0.000071 | 0.000 | 0.00000000030 | 0.05400 | 0.000000 | 0.000 | 0.00000000000 |
|---------|------------------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|

21 COOKED-NFS

|         |                   |       |   |          |       |               |         |          |       |               |
|---------|-------------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|
| 15027AA | BEANS-UNSPECIFIED | 2.000 | P | 0.010469 | 0.021 | 0.00000004397 | 0.05400 | 0.000002 | 0.000 | 0.00000000001 |
|---------|-------------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|

21 COOKED-NFS

|         |                         |       |   |          |       |               |         |          |       |               |
|---------|-------------------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|
| 15029AA | SOYBEANS-SPROUTED SEEDS | 0.200 | P | 0.000000 | 0.000 | 0.00000000000 | 0.00072 | 0.000000 | 0.000 | 0.00000000000 |
|---------|-------------------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|

00 NOT SPECIFIED

|         |                         |       |   |          |       |               |         |          |       |               |
|---------|-------------------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|
| 15029AA | SOYBEANS-SPROUTED SEEDS | 0.200 | P | 0.000000 | 0.000 | 0.00000000000 | 0.00072 | 0.000000 | 0.000 | 0.00000000000 |
|---------|-------------------------|-------|---|----------|-------|---------------|---------|----------|-------|---------------|

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COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

| FOOD CODE                                | FOODNAME/FOODFORM                                  | TOLERANCE (PPM) | TYPE | TMRC (UG/KG/DAY) | TMRC  | TMRC ONCO RISK | ANTICIPATED RESIDUE (PPM) | ARC (UG/KG/DAY) | ARC   | ARC ONCO RISK |
|------------------------------------------|----------------------------------------------------|-----------------|------|------------------|-------|----------------|---------------------------|-----------------|-------|---------------|
| 15030AA                                  | BEANS-DRY-HYACINTH(MATURE SEEDS) 00 NOT SPECIFIED  | 2.000           | P    | 0.000002         | 0.000 | 0.00000000001  | 0.05400                   | 0.000000        | 0.000 | 0.0000000000  |
| 15031AA                                  | BEANS-DRY-BLACKEYE PEAS(COUPREAS) 21 COOKED-NFS    | 2.000           | P    | 0.004947         | 0.010 | 0.00000002078  | 0.05400                   | 0.000134        | 0.000 | 0.0000000000  |
| 15032AA                                  | BEANS-DRY-GARBANZO(CHICK PEA) 21 COOKED-NFS        | 2.000           | P    | 0.001052         | 0.002 | 0.00000000442  | 0.05400                   | 0.000022        | 0.000 | 0.0000000000  |
| 270070A                                  | PEANUTS-OIL 31 COOKED-FRESH OR CANNED              | 0.200           | P    | 0.001045         | 0.002 | 0.00000000439  | 0.05400                   | 0.000007        | 0.000 | 0.0000000000  |
| 270100A                                  | 18 PROCESSED OIL SOYBEANS-OIL                      | 0.200           | P    | 0.064431         | 0.129 | 0.00000027061  | 0.02000                   | 0.000105        | 0.000 | 0.0000000000  |
| 28023AA                                  | 18 PROCESSED OIL SOYBEANS-UNSPECIFIED              | 0.200           | P    | 0.000104         | 0.000 | 0.00000000044  | 0.00030                   | 0.000097        | 0.000 | 0.0000000000  |
| 28023AB                                  | 21 COOKED-NFS SOYBEANS-MATURE, SEEDS DRY           | 0.200           | P    | 0.000180         | 0.000 | 0.00000000076  | 0.00072                   | 0.000000        | 0.000 | 0.0000000000  |
| 28023WA                                  | 10 RAW-FRESH OR NFS 21 COOKED-NFS                  | 0.200           | P    | 0.000584         | 0.001 | 0.000000000245 | 0.00072                   | 0.000000        | 0.000 | 0.0000000000  |
| 28023WB                                  | 23 COOKED-FRESH-BOILED 25 COOKED-FRESH-FRIED       | 0.200           | P    | 0.000190         | 0.000 | 0.000000000080 | 0.00030                   | 0.000000        | 0.000 | 0.0000000000  |
| 28023WC                                  | 31 COOKED-FRESH OR CANNED SOYBEANS-FLOUR, FULL FAT | 0.200           | P    | 0.002492         | 0.005 | 0.00000001047  | 0.00030                   | 0.000000        | 0.000 | 0.0000000000  |
| 11003AA                                  | 22 COOKED-FRESH-BAKED 31 COOKED-FRESH OR CANNED    | 0.200           | P    | 0.004311         | 0.009 | 0.00000001811  | 0.00050                   | 0.000003        | 0.000 | 0.0000000000  |
| 11005AA                                  | 21 COOKED-NFS TOMATOES-WHOLE                       | 5.000           | P    | 2.460082         | 4.920 | 0.00001033234  | 0.00050                   | 0.000007        | 0.000 | 0.0000000000  |
| 10 RAW-FRESH OR NFS                      |                                                    |                 |      |                  |       |                | 0.07840                   | 0.019692        | 0.039 | 0.0000000008  |
| 21 COOKED-NFS                            |                                                    |                 |      |                  |       |                | 0.07840                   | 0.015181        | 0.030 | 0.0000000006  |
| 31 COOKED-FRESH OR CANNED                |                                                    |                 |      |                  |       |                | 0.07840                   | 0.003701        | 0.007 | 0.0000000001  |
| CROP GROUP TOTALS FOR LEGUME VEGETABLES: |                                                    |                 |      |                  |       |                |                           |                 |       |               |
|                                          |                                                    |                 |      | 0.383197         | 0.766 | 0.00000160943  | 0.007963                  | 0.016           |       | 0.0000000033  |

## TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 05/17/91

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## CHEMICAL INFORMATION

## STUDY TYPE

## EFFECTS

## REFERENCE DOSES

## DATA GAPS/COMMENTS

## STATUS

|                                                                                        |                                                                                                                     |                                                                                                                     |                                                        |               |                                                                             |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------|-----------------------------------------------------------------------------|
| Benzoyl<br>Cassell #075A<br>CAS No. 17804-35-2<br>A.I. CODE: 099101<br>CFR No. 180.294 | 3gen reprod- rat<br>NOEL= 5,0000 mg/kg<br>100.00 ppm<br>LEL= 25,0000 mg/kg<br>500.00 ppm<br>ONCO: Class C (SAP/HED) | Decreased pup body wts.<br>Positive oncogenicity in<br>mice only, negative in<br>rats, TOX Peer Review<br>complete. | ADI UF -->100<br>OP RfD= 0.050000<br>EPA RfD= 0.050000 | No data gaps. | HED complete 03/07/86.<br>EPA verified 03/26/86.<br>WHO last reviewed 1983. |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------|-----------------------------------------------------------------------------|

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

| FOOD CODE                                                     | FOODNAME/FOODFORM                    | TOLERANCE (PPM) | TMRC (UG/KG/DAY) | %RFD   | TMRC ONCO RISK | ANTICIPATED RESIDUE (PPM) | ARC (UG/KG/DAY) | %RFD  | ARC ONCO RISK |
|---------------------------------------------------------------|--------------------------------------|-----------------|------------------|--------|----------------|---------------------------|-----------------|-------|---------------|
| 11005JA                                                       | TOMATOES-JUICE                       | 50.000          | 2.756755         | 5.514  | 0.00001157837  | 0.06440                   | 0.000130        | 0.000 | 0.00000000055 |
|                                                               | 10 RAW-FRESH OR NFS                  |                 |                  |        |                | 0.06440                   | 0.003421        | 0.007 | 0.00000001437 |
| 11005RA                                                       | TOMATOES-PUREE                       | 50.000          | 8.511555         | 17.023 | 0.00003574853  | 0.00480                   | 0.000000        | 0.000 | 0.00000000000 |
|                                                               | 10 RAW-FRESH OR NFS                  |                 |                  |        |                | 0.00480                   | 0.000460        | 0.001 | 0.00000000193 |
|                                                               | 21 COOKED-NFS                        |                 |                  |        |                | 0.00480                   | 0.000079        | 0.000 | 0.00000000033 |
|                                                               | 31 COOKED-FRESH OR CANNED            |                 |                  |        |                | 0.00480                   | 0.000106        | 0.000 | 0.00000000045 |
|                                                               | 32 COOKED-FRESH OR CANNED-BAKED      |                 |                  |        |                | 0.00480                   | 0.000172        | 0.000 | 0.00000000072 |
| 11005TA                                                       | TOMATOES-PASTE                       | 50.000          | 1.973835         | 3.948  | 0.00000829011  | 0.17040                   | 0.004743        | 0.009 | 0.00000001992 |
|                                                               | 22 COOKED-FRESH-BAKED                |                 |                  |        |                | 0.17040                   | 0.000907        | 0.002 | 0.00000000381 |
|                                                               | 31 COOKED-FRESH OR CANNED            |                 |                  |        |                | 0.17040                   | 0.001077        | 0.002 | 0.00000000452 |
| 11005UA                                                       | TOMATOES-CATSUP                      | 50.000          | 2.101600         | 4.203  | 0.00000882672  | 0.00920                   | 0.000387        | 0.001 | 0.00000000163 |
|                                                               | 21 COOKED-NFS                        |                 |                  |        |                |                           |                 |       |               |
| CROP GROUP TOTALS FOR FRUITING VEGETABLES (EXCL. CUCURBITIS): |                                      |                 |                  |        |                |                           |                 |       |               |
|                                                               |                                      |                 | 17.808138        | 35.616 | 0.00007479418  |                           | 0.050066        | 0.100 | 0.00000021028 |
| 10002AA                                                       | CANTALOUPE-UNSPECIFIED               | 1.000           | 0.000001         | 0.000  | 0.00000000000  | 0.01700                   | 0.000000        | 0.000 | 0.00000000000 |
|                                                               | 00 NOT SPECIFIED                     |                 |                  |        |                |                           |                 |       |               |
| 10002AB                                                       | CANTALOUPE-PULP                      | 1.000           | 0.044422         | 0.089  | 0.00000018657  | 0.01700                   | 0.000751        | 0.002 | 0.00000000315 |
|                                                               | 10 RAW-FRESH OR NFS                  |                 |                  |        |                | 0.01700                   | 0.000004        | 0.000 | 0.00000000002 |
|                                                               | 21 COOKED-NFS                        |                 |                  |        |                |                           |                 |       |               |
| 10003AA                                                       | CASABAS                              | 1.000           | 0.000770         | 0.002  | 0.00000000323  | 0.01700                   | 0.000013        | 0.000 | 0.00000000005 |
|                                                               | 10 RAW-FRESH OR NFS                  |                 |                  |        |                |                           |                 |       |               |
| 10004AA                                                       | CRENSHAW                             | 1.000           | 0.000001         | 0.000  | 0.00000000000  | 0.01700                   | 0.000000        | 0.000 | 0.00000000000 |
|                                                               | 00 NOT SPECIFIED                     |                 |                  |        |                |                           |                 |       |               |
| 10005AA                                                       | HONEYDEW MELONS                      | 1.000           | 0.018363         | 0.037  | 0.00000007712  | 0.01700                   | 0.000000        | 0.000 | 0.00000000000 |
|                                                               | 10 RAW-FRESH OR NFS                  |                 |                  |        |                |                           |                 |       |               |
| 10007AA                                                       | PERSIAN MELONS                       | 1.000           | 0.000001         | 0.000  | 0.00000000000  | 0.01700                   | 0.000312        | 0.001 | 0.00000000131 |
|                                                               | 00 NOT SPECIFIED                     |                 |                  |        |                |                           |                 |       |               |
| 10008AA                                                       | WATERMELON                           | 1.000           | 0.076505         | 0.153  | 0.00000032132  | 0.01700                   | 0.000000        | 0.000 | 0.00000000000 |
|                                                               | 10 RAW-FRESH OR NFS                  |                 |                  |        |                |                           |                 |       |               |
|                                                               | 21 COOKED-NFS                        |                 |                  |        |                | 0.01700                   | 0.001299        | 0.003 | 0.00000000546 |
| 10010AA                                                       | CUCUMBERS                            | 1.000           | 0.072082         | 0.144  | 0.00000030274  | 0.03160                   | 0.000001        | 0.000 | 0.00000000000 |
|                                                               | 10 RAW-FRESH OR NFS                  |                 |                  |        |                |                           |                 |       |               |
|                                                               | 11 RAW-FRESH-PICKLED,CORNED,OR CURED |                 |                  |        |                | 0.03160                   | 0.000988        | 0.002 | 0.00000000415 |
|                                                               | 21 COOKED-NFS                        |                 |                  |        |                | 0.03160                   | 0.000073        | 0.000 | 0.00000000031 |
| 10011AA                                                       | PUMPKIN                              | 1.000           | 0.004418         | 0.009  | 0.00000001856  | 0.00034                   | 0.000000        | 0.000 | 0.00000000000 |
|                                                               | 21 COOKED-NFS                        |                 |                  |        |                |                           |                 |       |               |
|                                                               | 22 COOKED-FRESH-BAKED                |                 |                  |        |                | 0.00034                   | 0.000000        | 0.000 | 0.00000000000 |

## TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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| CHEMICAL INFORMATION                                           |                                               | STUDY TYPE              |       | EFFECTS          |       | REFERENCE DOSES                                                                                         |                           | DATA GAPS/COMMENTS |        | STATUS            |                   |               |                                                                       |
|----------------------------------------------------------------|-----------------------------------------------|-------------------------|-------|------------------|-------|---------------------------------------------------------------------------------------------------------|---------------------------|--------------------|--------|-------------------|-------------------|---------------|-----------------------------------------------------------------------|
| Beromyl                                                        | Caswell #075A                                 | 3gen reprod - rat       | NOEL= | 5.0000           | mg/kg | Decreased pup body wts. Positive oncogenicity in mice only, negative in rats, TOX Peer Review complete. | AD1                       | UF                 | -->100 | OPR RfD= 0.050000 | EPA RfD= 0.050000 | No data gaps. | HED complete 03/07/86. EPA verified 03/26/86. WHO last reviewed 1983. |
|                                                                | CAS No. 17804-35-2                            |                         | LEL=  | 100.00           | ppm   |                                                                                                         |                           |                    |        |                   |                   |               |                                                                       |
|                                                                | A.I. CODE: 099101                             |                         |       | 25.0000          | mg/kg |                                                                                                         |                           |                    |        |                   |                   |               |                                                                       |
|                                                                | CFR No. 180.294                               |                         |       | 500.00           | ppm   |                                                                                                         |                           |                    |        |                   |                   |               |                                                                       |
|                                                                |                                               | ONCO: Class C (SAP/HED) |       |                  |       |                                                                                                         |                           |                    |        |                   |                   |               |                                                                       |
| COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES |                                               |                         |       |                  |       |                                                                                                         |                           |                    |        |                   |                   |               |                                                                       |
| FOOD CODE                                                      | FOODNAME/FOODFORM                             | TOLERANCE (PPM)         | TYPE  | TMRC (UG/KG/DAY) | %RFD  | TMRC ONCO RISK                                                                                          | ANTICIPATED RESIDUE (PPM) | ARC (UG/KG/DAY)    | %RFD   | ARC ONCO RISK     |                   |               |                                                                       |
| 10013AA                                                        | 62 COOKED-FRESH OR FROZEN-BAKED SQUASH-SUMMER | 1.000                   | P     | 0.031648         | 0.063 | 0.00000013292                                                                                           | 0.00034                   | 0.000001           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 10 RAW-FRESH OR NFS                           |                         |       |                  |       |                                                                                                         | 0.03160                   | 0.000041           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 21 COOKED-NFS                                 |                         |       |                  |       |                                                                                                         | 0.03160                   | 0.000959           | 0.002  | 0.000000000       |                   |               |                                                                       |
| 10014AA                                                        | SQUASH-WINTER                                 | 1.000                   | P     | 0.032442         | 0.065 | 0.00000013626                                                                                           | 0.00680                   | 0.000000           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 10 RAW-FRESH OR NFS                           |                         |       |                  |       |                                                                                                         | 0.00680                   | 0.000192           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 21 COOKED-NFS                                 |                         |       |                  |       |                                                                                                         | 0.00680                   | 0.000028           | 0.000  | 0.000000000       |                   |               |                                                                       |
| 10017AA                                                        | BITTER MELON                                  | 1.000                   | P     | 0.000023         | 0.000 | 0.00000000010                                                                                           | 0.01700                   | 0.000000           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 31 COOKED-FRESH OR CANNED                     |                         |       |                  |       |                                                                                                         |                           |                    |        |                   |                   |               |                                                                       |
| 10020AA                                                        | TOMELGOURD                                    | 1.000                   | P     | 0.000001         | 0.000 | 0.00000000000                                                                                           | 0.20000                   | 0.000000           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 00 NOT SPECIFIED                              |                         |       |                  |       |                                                                                                         |                           |                    |        |                   |                   |               |                                                                       |
| CROP GROUP TOTALS FOR FRUITING VEGETABLES (CUCURBITTS):        |                                               |                         |       | 0.280677         | 0.561 | 0.00000117884                                                                                           |                           | 0.005878           | 0.012  | 0.000000000       |                   |               |                                                                       |
| 02001AA                                                        | CITRUS CITRON                                 | 10.000                  | P     | 0.001573         | 0.003 | 0.00000000061                                                                                           | 0.02688                   | 0.000004           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 22 COOKED-FRESH-BAKED                         |                         |       |                  |       |                                                                                                         |                           |                    |        |                   |                   |               |                                                                       |
| 02002AA                                                        | GRAPEFRUIT-UNSPECIFIED                        | 10.000                  | P     | 0.000010         | 0.000 | 0.00000000004                                                                                           | 0.03360                   | 0.000000           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 00 NOT SPECIFIED                              |                         |       |                  |       |                                                                                                         |                           |                    |        |                   |                   |               |                                                                       |
| 02002AB                                                        | GRAPEFRUIT-PULP                               | 10.000                  | P     | 0.684644         | 1.369 | 0.00000287550                                                                                           | 0.01940                   | 0.001327           | 0.003  | 0.000000000       |                   |               |                                                                       |
|                                                                | 10 RAW-FRESH OR NFS                           |                         |       |                  |       |                                                                                                         | 0.01940                   | 0.000002           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 21 COOKED-NFS                                 |                         |       |                  |       |                                                                                                         | 0.01940                   | 0.000002           | 0.000  | 0.000000000       |                   |               |                                                                       |
| 02002JA                                                        | GRAPEFRUIT-JUICE                              | 10.000                  | P     | 1.624529         | 3.249 | 0.00000682302                                                                                           | 0.00060                   | 0.000045           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 15 RAW-FRESH OR CANNED                        |                         |       |                  |       |                                                                                                         | 0.00060                   | 0.000002           | 0.000  | 0.000000000       |                   |               |                                                                       |
| 02003AA                                                        | KUMQUATS                                      | 10.000                  | P     | 0.000798         | 0.002 | 0.00000000335                                                                                           | 0.00672                   | 0.000001           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 10 RAW-FRESH OR NFS                           |                         |       |                  |       |                                                                                                         | 0.00672                   | 0.000001           | 0.000  | 0.000000000       |                   |               |                                                                       |
| 02004AA                                                        | LEMONS-UNSPECIFIED                            | 10.000                  | P     | 0.020695         | 0.041 | 0.00000008692                                                                                           | 0.00672                   | 0.000013           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 10 RAW-FRESH OR NFS                           |                         |       |                  |       |                                                                                                         | 0.00672                   | 0.000001           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 22 COOKED-FRESH-BAKED                         |                         |       |                  |       |                                                                                                         |                           |                    |        |                   |                   |               |                                                                       |
| 02004AB                                                        | LEMONS-PULP                                   | 10.000                  | P     | 0.002149         | 0.004 | 0.00000000903                                                                                           | 0.00388                   | 0.000000           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 10 RAW-FRESH OR NFS                           |                         |       |                  |       |                                                                                                         | 0.00388                   | 0.000000           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 31 COOKED-FRESH OR CANNED                     |                         |       |                  |       |                                                                                                         |                           |                    |        |                   |                   |               |                                                                       |
| 02004JA                                                        | LEMONS-PEEL                                   | 10.000                  | P     | 0.002570         | 0.005 | 0.00000001079                                                                                           | 0.00672                   | 0.000002           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 10 RAW-FRESH OR NFS                           |                         |       |                  |       |                                                                                                         | 0.00672                   | 0.000000           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 21 COOKED-NFS                                 |                         |       |                  |       |                                                                                                         |                           |                    |        |                   |                   |               |                                                                       |
| 02004JA                                                        | LEMONS-JUICE                                  | 10.000                  | P     | 0.379128         | 0.758 | 0.00000159234                                                                                           | 0.00012                   | 0.000001           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 10 RAW-FRESH OR NFS                           |                         |       |                  |       |                                                                                                         | 0.00012                   | 0.000000           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 15 RAW-FRESH OR CANNED                        |                         |       |                  |       |                                                                                                         | 0.00012                   | 0.000000           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 21 COOKED-NFS                                 |                         |       |                  |       |                                                                                                         | 0.00012                   | 0.000001           | 0.000  | 0.000000000       |                   |               |                                                                       |
|                                                                | 31 COOKED-FRESH OR CANNED                     |                         |       |                  |       |                                                                                                         | 0.00012                   | 0.000001           | 0.000  | 0.000000000       |                   |               |                                                                       |

## TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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## CHEMICAL INFORMATION

Benomyl

Caswell #075A  
CAS No. 17804-35-2  
A.I. CODE: 099101  
CFR No. 180.294

## STUDY TYPE

3gen reprod. rat  
NOEL= 5,000 mg/kg  
100.00 ppm  
LEL= 25,000 mg/kg  
500.00 ppm  
ONCO: Class C (SAP/HED)

## EFFECTS

Decreased pup body wts.  
Positive oncogenicity in  
mice only, negative in  
rats, TOX Peer Review  
complete.

## REFERENCE DOSES

ADI UF -->100  
OPP RfD= 0.050000  
EPA RfD= 0.050000

## DATA GAPS/COMMENTS

No data gaps.

## STATUS

HED complete 03/07/86.  
EPA verified 03/26/86.  
M.O. last reviewed 1983.

## COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

| FOOD CODE | FOODNAME/FOODFORM               | TOLERANCE (PPM) | TYPE | TMRC (UG/KG/DAY) | XRFD   | TMRC ONCO RISK | ANTICIPATED RESIDUE (PPM) | ARC (UG/KG/DAY) | XRFD  | ARC ONCO RISK |
|-----------|---------------------------------|-----------------|------|------------------|--------|----------------|---------------------------|-----------------|-------|---------------|
| 02005AA   | LIMES-UNSPECIFIED               | 10.000          | P    | 0.000010         | 0.000  | 0.000000000004 | 0.00672                   | 0.000000        | 0.000 | 0.000000000   |
| 02005AB   | 00 NOT SPECIFIED                | 10.000          | P    | 0.000941         | 0.002  | 0.00000000395  | 0.00388                   | 0.000000        | 0.000 | 0.000000000   |
| 02005HA   | LIMES-PULP                      | 10.000          | P    | 0.000000         | 0.000  | 0.000000000000 | 0.00672                   | 0.000000        | 0.000 | 0.000000000   |
| 02005JA   | LIMES-PEEL                      | 10.000          | P    | 0.065790         | 0.132  | 0.00000027632  | 0.00012                   | 0.000000        | 0.000 | 0.000000000   |
| 02006AA   | 10 RAW-FRESH OR CANNED          | 10.000          | P    | 0.000010         | 0.000  | 0.000000000004 | 0.00012                   | 0.000000        | 0.000 | 0.000000000   |
| 02006AB   | 31 COOKED-FRESH OR CANNED       | 10.000          | P    | 1.503524         | 3.007  | 0.00000631480  | 0.01552                   | 0.002328        | 0.005 | 0.000000009   |
| 02006HA   | 00 NOT SPECIFIED                | 10.000          | P    | 0.001358         | 0.003  | 0.00000000570  | 0.01552                   | 0.000006        | 0.000 | 0.000000000   |
| 02006JA   | ORANGES-PEEL                    | 10.000          | P    | 0.001358         | 0.003  | 0.00000000570  | 0.02688                   | 0.000000        | 0.000 | 0.000000000   |
| 02007AA   | 21 COOKED-NFS                   | 10.000          | P    | 19.705077        | 39.410 | 0.00008276132  | 0.00048                   | 0.000508        | 0.001 | 0.000000002   |
| 02008AA   | 22 COOKED-FRESH-BAKED           | 10.000          | P    | 0.025555         | 0.051  | 0.00000010733  | 0.02688                   | 0.000003        | 0.000 | 0.000000000   |
| 02008JA   | 31 COOKED-FRESH OR CANNED       | 10.000          | P    | 0.088441         | 0.177  | 0.00000037145  | 0.02688                   | 0.000001        | 0.000 | 0.000000000   |
| 02009AA   | 15 RAW-FRESH OR CANNED          | 10.000          | P    | 0.001510         | 0.003  | 0.00000000634  | 0.00048                   | 0.000000        | 0.000 | 0.000000000   |
| 02009JA   | 31 COOKED-FRESH OR CANNED       | 10.000          | P    | 0.001510         | 0.003  | 0.00000000634  | 0.00048                   | 0.000000        | 0.000 | 0.000000000   |
| 02009HA   | TANGERINES                      | 10.000          | P    | 0.025555         | 0.051  | 0.00000010733  | 0.02688                   | 0.000003        | 0.000 | 0.000000000   |
| 02009JA   | 10 RAW-FRESH OR NFS             | 10.000          | P    | 0.088441         | 0.177  | 0.00000037145  | 0.02688                   | 0.000001        | 0.000 | 0.000000000   |
| 02009HA   | TANGERINE-JUICE                 | 10.000          | P    | 0.001510         | 0.003  | 0.00000000634  | 0.00048                   | 0.000000        | 0.000 | 0.000000000   |
| 02009JA   | 15 RAW-FRESH OR CANNED          | 10.000          | P    | 0.001510         | 0.003  | 0.00000000634  | 0.00048                   | 0.000000        | 0.000 | 0.000000000   |
| 04001AA   | APPLES-FRESH                    | 7.000           | P    | 3.197103         | 6.394  | 0.00001342783  | 0.16750                   | 0.001497        | 0.103 | 0.000000216   |
| 04001HA   | 10 RAW-FRESH OR NFS             | 7.000           | P    | 0.011558         | 0.023  | 0.00000004854  | 0.16750                   | 0.001112        | 0.002 | 0.000000004   |
| 04001JA   | 21 COOKED-NFS                   | 7.000           | P    | 0.011558         | 0.023  | 0.00000004854  | 0.16750                   | 0.001112        | 0.002 | 0.000000004   |
| 04001HA   | 31 COOKED-FRESH OR CANNED       | 7.000           | P    | 0.011558         | 0.023  | 0.00000004854  | 0.16750                   | 0.001112        | 0.002 | 0.000000004   |
| 04001JA   | 62 COOKED-FRESH OR FROZEN-BAKED | 7.000           | P    | 0.011558         | 0.023  | 0.00000004854  | 0.16750                   | 0.001112        | 0.002 | 0.000000004   |
| 04001HA   | APPLES-DRIED                    | 7.000           | P    | 0.011558         | 0.023  | 0.00000004854  | 0.16750                   | 0.001112        | 0.002 | 0.000000004   |
| 04001JA   | 10 RAW-FRESH OR NFS             | 7.000           | P    | 0.011558         | 0.023  | 0.00000004854  | 0.16750                   | 0.001112        | 0.002 | 0.000000004   |
| 04001HA   | 22 COOKED-FRESH-BAKED           | 7.000           | P    | 0.011558         | 0.023  | 0.00000004854  | 0.16750                   | 0.001112        | 0.002 | 0.000000004   |
| 04001JA   | 62 COOKED-FRESH OR FROZEN-BAKED | 7.000           | P    | 0.011558         | 0.023  | 0.00000004854  | 0.16750                   | 0.001112        | 0.002 | 0.000000004   |
| 04001HA   | APPLES-JUICE                    | 7.000           | P    | 0.011558         | 0.023  | 0.00000004854  | 0.16750                   | 0.001112        | 0.002 | 0.000000004   |
| 04001JA   | 15 RAW-FRESH OR CANNED          | 7.000           | P    | 0.011558         | 0.023  | 0.00000004854  | 0.16750                   | 0.001112        | 0.002 | 0.000000004   |

**PAGE :**

**STATUS**

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

CRUP GROUP TOTALS FOR POME FRUITS:

|         |                      |                                 |        |   |          |       |               |         |          |       |          |
|---------|----------------------|---------------------------------|--------|---|----------|-------|---------------|---------|----------|-------|----------|
| 05001AA | APRICOTS-FRESH       | 10 RAW-FRESH OR NFS             | 15.000 | P | 0.505339 | 1.011 | 0.00000212242 | 0.00874 | 0.000050 | 0.000 | 0.000000 |
|         |                      | 21 COOKED-NFS                   |        |   |          |       |               | 0.00874 | 0.000068 | 0.000 | 0.000000 |
|         |                      | 31 COOKED-FRESH OR CANNED       |        |   |          |       |               | 0.00874 | 0.000176 | 0.000 | 0.000000 |
| 05001DA | APRICOTS-DRIED       | 10 RAW-FRESH OR NFS             | 15.000 | P | 0.036360 | 0.073 | 0.00000015271 | 0.02180 | 0.000007 | 0.000 | 0.000000 |
|         |                      | 22 COOKED-FRESH-BAKED           |        |   |          |       |               | 0.02180 | 0.000001 | 0.000 | 0.000000 |
| 05002AA | CHERRIES-FRESH       | 10 RAW-FRESH OR NFS             | 15.000 | P | 0.482631 | 0.965 | 0.00000202705 | 0.02180 | 0.000001 | 0.000 | 0.000000 |
|         |                      | 21 COOKED-NFS                   |        |   |          |       |               | 0.34510 | 0.002546 | 0.005 | 0.000000 |
|         |                      | 31 COOKED-FRESH OR CANNED       |        |   |          |       |               | 0.34510 | 0.001522 | 0.003 | 0.000000 |
|         |                      | 62 COOKED-FRESH OR FROZEN-BAKED |        |   |          |       |               | 0.34510 | 0.004329 | 0.009 | 0.000000 |
| 05002DA | CHERRIES-DRIED       | 00 NOT SPECIFIED                | 15.000 | P | 0.000060 | 0.000 | 0.00000000025 | 0.34510 | 0.002707 | 0.005 | 0.000000 |
| 05002JA | CHERRIES-JUICE       | 15 RAW-FRESH OR CANNED          | 15.000 | P | 0.076680 | 0.153 | 0.00000032206 | 0.86275 | 0.000001 | 0.000 | 0.000000 |
| 05003AA | NECTARINES           | 21 COOKED-NFS                   | 15.000 | P | 0.194493 | 0.389 | 0.00000081687 | 0.34510 | 0.001618 | 0.003 | 0.000000 |
|         |                      | 10 RAW-FRESH OR NFS             |        |   |          |       |               | 0.34510 | 0.000146 | 0.000 | 0.000000 |
| 05004AA | PEACHES-FRESH        | 10 RAW-FRESH OR NFS             | 15.000 | P | 3.230874 | 6.462 | 0.00001356967 | 0.00874 | 0.000113 | 0.000 | 0.000000 |
|         |                      | 21 COOKED-NFS                   |        |   |          |       |               | 0.43700 | 0.043907 | 0.088 | 0.000000 |
|         |                      | 31 COOKED-FRESH OR CANNED       |        |   |          |       |               | 0.00170 | 0.000017 | 0.000 | 0.000000 |
|         |                      | 51 COOKED-CANNED                |        |   |          |       |               | 0.00170 | 0.000136 | 0.000 | 0.000000 |
| 05004DA | PEACHES-DRIED        | 10 RAW-FRESH OR NFS             | 15.000 | P | 0.005208 | 0.010 | 0.00000002187 | 0.00170 | 0.000043 | 0.000 | 0.000000 |
|         |                      | 21 COOKED-NFS                   |        |   |          |       |               | 0.33000 | 0.000009 | 0.000 | 0.000000 |
| 05005AA | PLUMS(DAMSONS)-FRESH | 10 RAW-FRESH OR NFS             | 15.000 | P | 0.372939 | 0.746 | 0.00000156634 | 0.33000 | 0.000008 | 0.000 | 0.000000 |
|         |                      |                                 |        |   |          |       |               | 0.25280 | 0.004705 | 0.009 | 0.000000 |



## TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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## CHEMICAL INFORMATION

## STUDY TYPE

## EFFECTS

## REFERENCE DOSES

## DATA GAPS/COMMENTS

## STATUS

|                                                                                        |                                                                                                                      |                                                                                                                     |                                                         |               |                                                                             |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------|-----------------------------------------------------------------------------|
| Benzoyl<br>Caswell #075A<br>CAS NO. 17804-35-2<br>A.I. CODE: 099101<br>CFR NO. 180.294 | 3gen reprod- rat<br>MODEL= 5.0000 mg/kg<br>100.00 ppm<br>LEL= 25.0000 mg/kg<br>500.00 ppm<br>ONCO: Class C (SAP/HED) | Decreased pup body wts.<br>Positive oncogenicity in<br>mice only, negative in<br>rats, TOX Peer Review<br>complete. | ADI UF -->100<br>OPP RfD= 0.050000<br>EPA RfD= 0.050000 | No data gaps. | HED complete 03/07/86.<br>EPA verified 03/26/86.<br>WHO last reviewed 1983. |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------|-----------------------------------------------------------------------------|

## COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

| FOOD CODE                           | FOODNAME/FOODFORM               | TOLERANCE (PPM) | THRC TYPE (UG/KG/DAY) | THRC %RfD | THRC ONCO RISK | ANTICIPATED RESIDUE (PPM) | ARC (UG/KG/DAY) | %RfD  | ARC ONCO RISK |
|-------------------------------------|---------------------------------|-----------------|-----------------------|-----------|----------------|---------------------------|-----------------|-------|---------------|
| CROP GROUP TOTALS FOR STONE FRUITS: |                                 |                 |                       |           |                |                           |                 |       |               |
| 01002AA                             | BLACKBERRIES                    | 7.000           | P                     | 0.044988  | 0.090          | 0.00000018895             |                 |       |               |
|                                     | 10 RAW-FRESH OR NFS             |                 |                       |           |                | 1.20600                   | 0.000962        | 0.002 | 0.000000004   |
|                                     | 21 COOKED-NFS                   |                 |                       |           |                | 1.20600                   | 0.003433        | 0.007 | 0.000000014   |
| 01003AA                             | BOYSENBERRIES                   | 7.000           | P                     | 0.005119  | 0.010          | 0.00000002150             |                 |       |               |
|                                     | 10 RAW-FRESH OR NFS             |                 |                       |           |                | 1.20600                   | 0.003356        | 0.007 | 0.000000014   |
| 01004AA                             | DEMBERRIES                      | 7.000           | P                     | 0.016401  | 0.033          | 0.00000006888             |                 |       |               |
|                                     | 00 NOT SPECIFIED                |                 |                       |           |                | 0.02010                   | 0.000015        | 0.000 | 0.000000000   |
| 01005AA                             | LOGANBERRIES                    | 7.000           | P                     | 0.001428  | 0.003          | 0.00000000600             |                 |       |               |
|                                     | 00 NOT SPECIFIED                |                 |                       |           |                | 0.10050                   | 0.000235        | 0.000 | 0.000000000   |
| 01006AA                             | RASPBERRIES                     | 7.000           | P                     | 0.020063  | 0.040          | 0.00000008426             |                 |       |               |
|                                     | 10 RAW-FRESH OR NFS             |                 |                       |           |                | 0.10050                   | 0.000205        | 0.000 | 0.000000000   |
|                                     | 15 RAW-FRESH OR CANNED          |                 |                       |           |                | 0.34170                   | 0.000589        | 0.001 | 0.000000000   |
|                                     | 31 COOKED-FRESH OR CANNED       |                 |                       |           |                | 0.34170                   | 0.000110        | 0.000 | 0.000000000   |
|                                     | 62 COOKED-FRESH OR FROZEN-BAKED |                 |                       |           |                | 0.34170                   | 0.000093        | 0.000 | 0.000000000   |
|                                     | 70 RAW-FROZEN                   |                 |                       |           |                | 0.34170                   | 0.000096        | 0.000 | 0.000000000   |
| 01009AA                             | BLUEBERRIES                     | 7.000           | P                     | 0.063332  | 0.127          | 0.00000026599             |                 |       |               |
|                                     | 10 RAW-FRESH OR NFS             |                 |                       |           |                | 0.34170                   | 0.000091        | 0.000 | 0.000000000   |
|                                     | 21 COOKED-NFS                   |                 |                       |           |                | 0.37180                   | 0.001993        | 0.004 | 0.000000008   |
|                                     | 22 COOKED-FRESH-BAKED           |                 |                       |           |                | 0.37180                   | 0.000403        | 0.001 | 0.000000001   |
|                                     | 62 COOKED-FRESH OR FROZEN-BAKED |                 |                       |           |                | 0.37180                   | 0.000181        | 0.000 | 0.000000000   |
| 01011AA                             | CURRENTS                        | 7.000           | P                     | 0.003823  | 0.008          | 0.00000001606             |                 |       |               |
|                                     | 10 RAW-FRESH OR NFS             |                 |                       |           |                | 0.37180                   | 0.000787        | 0.002 | 0.000000003   |
|                                     | 21 COOKED-NFS                   |                 |                       |           |                | 0.85800                   | 0.000014        | 0.000 | 0.000000000   |
|                                     | 22 COOKED-FRESH-BAKED           |                 |                       |           |                | 0.85800                   | 0.000002        | 0.000 | 0.000000000   |
| 01014AA                             | GRAPES-FRESH                    | 10.000          | P                     | 0.437931  | 0.876          | 0.00000183931             |                 |       |               |
|                                     | 10 RAW-FRESH OR NFS             |                 |                       |           |                | 0.85800                   | 0.000453        | 0.001 | 0.000000001   |
|                                     | 21 COOKED-NFS                   |                 |                       |           |                | 0.33000                   | 0.000805        | 0.016 | 0.000000033   |
|                                     | 31 COOKED-FRESH OR CANNED       |                 |                       |           |                | 0.33000                   | 0.000266        | 0.001 | 0.000000001   |
| 01014DA                             | GRAPES-RAISINS                  | 50.000          | P                     | 0.848650  | 1.697          | 0.00000356433             |                 |       |               |
|                                     | 10 RAW-FRESH OR NFS             |                 |                       |           |                | 0.33000                   | 0.006181        | 0.012 | 0.000000025   |
|                                     |                                 |                 |                       |           |                | 1.75200                   | 0.017912        | 0.036 | 0.000000075   |

## TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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| CHEMICAL INFORMATION                                                                    |                                                                                                              | STUDY TYPE                                                                                                          |                       | EFFECTS                                                                                                             |                | REFERENCE DOSES                                                        |                                             | DATA GAPS/COMMENTS               |                                              | STATUS                                                                                  |  |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------|---------------------------------------------|----------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------|--|
| Benzoyl<br>Casswell #075A<br>CAS No. 17804-35-2<br>A.I. CODE: 099101<br>CFR No. 180.294 |                                                                                                              | 3gen reprod- rat<br>NOEL= 5.0000 mg/kg<br>100.00 ppm<br>LET= 25.0000 mg/kg<br>500.00 ppm<br>ONCO: Class C (SAP/HEP) |                       | Decreased pup body wts.<br>Positive oncogenicity in<br>mice only, negative in<br>rats, TOX Peer Review<br>complete. |                | ADI UF -->100<br>OPP RfD= 0.050000<br>EPA RfD= 0.050000<br>g*: 0.00420 |                                             | No data gaps.                    |                                              | HEP complete 03/07/86.<br>EPA verified 03/26/86.<br>WHO last reviewed 1983.<br>On IRIS. |  |
| COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES                          |                                                                                                              |                                                                                                                     |                       |                                                                                                                     |                |                                                                        |                                             |                                  |                                              |                                                                                         |  |
| FOOD CODE                                                                               | FOODNAME/FOODFORM                                                                                            | TOLERANCE (PPM)                                                                                                     | THRC TYPE (UG/KG/DAY) | %RFD                                                                                                                | THRC ONCO RISK | ANTICIPATED RESIDUE (PPM)                                              | ARC (UG/KG/DAY)                             | %RFD                             | ARC ONCO RISK                                |                                                                                         |  |
| 01014JA                                                                                 | 21 COOKED-NFS<br>22 COOKED-FRESH-BAKED<br>GRAPES-JUICE                                                       | 10.000                                                                                                              | P                     | 1.081152                                                                                                            | 2.162          | 0.00000454084                                                          | 1.75200<br>1.75200<br>0.010139              | 0.003<br>0.020                   | 0.000000<br>0.000000                         |                                                                                         |  |
| 01016AA                                                                                 | 10 RAW-FRESH OR NFS<br>15 RAW-FRESH OR CANNED<br>21 COOKED-NFS<br>STRAWBERRIES                               | 5.000                                                                                                               | P                     | 0.173545                                                                                                            | 0.347          | 0.00000072889                                                          | 0.33000<br>0.33000<br>0.33000<br>0.001313   | 0.007<br>0.062<br>0.003          | 0.000000<br>0.000000<br>0.000000             |                                                                                         |  |
|                                                                                         | 10 RAW-FRESH OR NFS<br>21 COOKED-NFS<br>70 RAW-FROZEN                                                        |                                                                                                                     |                       |                                                                                                                     |                |                                                                        | 0.79500<br>0.79500<br>0.004399              | 0.038<br>0.008<br>0.009          | 0.000000<br>0.000000<br>0.000000             |                                                                                         |  |
| CROP GROUP TOTALS FOR SMALL FRUITS AND BERRIES:                                         |                                                                                                              |                                                                                                                     |                       | 2.696432                                                                                                            | 5.393          | 0.00001132501                                                          | 0.120478                                    | 0.241                            | 0.000000                                     |                                                                                         |  |
| 24001AA                                                                                 | BARLEY                                                                                                       | 0.200                                                                                                               | P                     | 0.011460                                                                                                            | 0.023          | 0.00000004813                                                          |                                             |                                  |                                              |                                                                                         |  |
| 24004AA                                                                                 | 21 COOKED-NFS<br>RICE-ROUGH                                                                                  | 5.000                                                                                                               | P                     | 0.015300                                                                                                            | 0.031          | 0.00000006426                                                          | 0.00039                                     | 0.000                            | 0.000000                                     |                                                                                         |  |
| 24004AB                                                                                 | 23 COOKED-FRESH-BOILED<br>RICE-MILLED                                                                        | 5.000                                                                                                               | P                     | 0.776313                                                                                                            | 1.553          | 0.00000326051                                                          | 0.02460<br>0.000075                         | 0.000<br>0.000                   | 0.000000<br>0.000000                         |                                                                                         |  |
| 24007AA                                                                                 | 21 COOKED-NFS<br>22 COOKED-FRESH-BAKED<br>23 COOKED-FRESH-BOILED<br>31 COOKED-FRESH OR CANNED<br>WHEAT-ROUGH | 0.200                                                                                                               | P                     | 0.028122                                                                                                            | 0.056          | 0.00000011811                                                          | 0.00021<br>0.000005<br>0.000015<br>0.000002 | 0.000<br>0.000<br>0.000<br>0.000 | 0.000000<br>0.000000<br>0.000000<br>0.000000 |                                                                                         |  |
| 24007GA                                                                                 | 10 RAW-FRESH OR NFS<br>21 COOKED-NFS<br>22 COOKED-FRESH-BAKED<br>23 COOKED-FRESH-BOILED<br>WHEAT-GERM        | 0.200                                                                                                               | P                     | 0.000161                                                                                                            | 0.000          | 0.00000000068                                                          | 0.00096<br>0.000009<br>0.000082<br>0.000044 | 0.000<br>0.000<br>0.000<br>0.000 | 0.000000<br>0.000000<br>0.000000<br>0.000000 |                                                                                         |  |
| 24007HA                                                                                 | 10 RAW-FRESH OR NFS<br>21 COOKED-NFS<br>22 COOKED-FRESH-BAKED<br>WHEAT-BRAN                                  | 0.200                                                                                                               | P                     | 0.002432                                                                                                            | 0.005          | 0.00000001021                                                          | 0.00096<br>0.000001                         | 0.000<br>0.000                   | 0.000000<br>0.000000                         |                                                                                         |  |
| 24007NA                                                                                 | 10 RAW-FRESH OR NFS<br>21 COOKED-NFS<br>22 COOKED-FRESH-BAKED<br>WHEAT-FLOUR                                 | 0.200                                                                                                               | P                     | 0.251450                                                                                                            | 0.503          | 0.00000105609                                                          | 0.00096<br>0.000000<br>0.000011             | 0.000<br>0.000<br>0.000          | 0.000000<br>0.000000<br>0.000000             |                                                                                         |  |
| 270020A                                                                                 | 21 COOKED-NFS<br>22 COOKED-FRESH-BAKED<br>25 COOKED-FRESH-FRIED<br>CORN, GRAIN-OIL<br>18 PROCESSED OIL       | 0.200                                                                                                               | P                     | 0.000000                                                                                                            | 0.000          | 0.00000000000                                                          | 0.00096<br>0.000674<br>0.000443<br>0.000090 | 0.000<br>0.001<br>0.001<br>0.000 | 0.000000<br>0.000000<br>0.000000<br>0.000000 |                                                                                         |  |

# TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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## CHEMICAL INFORMATION

Benzoyl

Caswell #075A  
CAS No. 17804-35-2  
A.I. CODE: 099101  
CFR No. 180.294

## STUDY TYPE

3gen reprod. rat  
NOEL= 5.0000 mg/kg  
100.00 ppm  
LEL= 25.0000 mg/kg  
500.00 ppm  
ONCO: Class C (SAP/HED)

## EFFECTS

Decreased pup body wts.  
Positive oncogenicity in  
mice only, negative in  
rats, TOX Peer Review  
complete.

## REFERENCE DOSES

ADI UF -->100  
OPP RfD= 0.050000  
EPA RfD= 0.050000

## DATA GAPS/COMMENTS

No data gaps.

## STATUS

HED complete 03/07/86.  
EPA verified 03/26/86.  
WHO last reviewed 1983.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE

FOODNAME/FOODFORM

TOLERANCE (PPM)

TYPE (UG/KG/DAY)

%RFD

TMRC ONCO RISK

ANTICIPATED RESIDUE (PPM)

ARC (UG/KG/DAY)

%RFD

ARC ONCO RISK

## CROP GROUP TOTALS FOR CEREAL GRAINS:

03001AA

ALMONDS

10 RAW-FRESH OR NFS

21 COOKED-NFS

22 COOKED-FRESH-BAKED

03008AA

PECANS

10 RAW-FRESH OR NFS

21 COOKED-NFS

22 COOKED-FRESH-BAKED

23 COOKED-FRESH-BOILED

62 COOKED-FRESH OR FROZEN-BAKED

## CROP GROUP TOTALS FOR TREE NUTS:

08048DA

PAPRIKA

00 NOT SPECIFIED

28080AA

PEPPERMINT

00 NOT SPECIFIED (NO CONSUMPTION)

28081AA

SPEARMINT

00 NOT SPECIFIED (NO CONSUMPTION)

## CROP GROUP TOTALS FOR HERBS AND SPICES:

53001BA

BEEF-MEAT BYPRODUCTS

21 COOKED-NFS

26 COOKED-FRESH-PICKLED, CORNED, OR CURED

21 COOKED-NFS

51 COOKED-CANNED

53001DA

BEEF-DRIED

21 COOKED-NFS

BEEF(BONELESS)-FAT (BEEF TALLOW)

23 COOKED-FRESH-BOILED

10 RAW-FRESH OR NFS

21 COOKED-NFS

22 COOKED-FRESH-BAKED

24 COOKED-FRESH-BROILED

53001KA

BEEF(ORGAN MEATS)-KIDNEY

21 COOKED-NFS

21 COOKED-NFS

0.100

P

0.00048

0.000

0.00000000020

0.00000

0.000000

0.000

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1.085238 2.170 0.00000455800

0.001530

0.003

0.0000000064

0.200

P

0.000561

0.001

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0.200

P

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0.002

0.0000000405

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0.000472

0.001

0.00000000198

10.000

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0.000010

0.000

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10.000

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0.00000000004

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P

0.001766

0.004

0.00000000742

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P

0.000603

0.001

0.00000000253

0.100

P

0.000253

0.001

0.00000000106

0.100

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0.037208

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0.00000015627

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## TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 05/17/91

PAGE: 1

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## CHEMICAL INFORMATION

Benomyl

CAShell #075A  
CAS No. 17804-35-2  
A.I. CODE: 099101  
CFR No. 180.294

## STUDY TYPE

3gen reprod- rat  
NOEL= 5.0000 mg/kg  
100.00 ppm  
LEL= 25.0000 mg/kg  
500.00 ppm  
ONCO: Class C (SAP/HED)

## EFFECTS

Decreased pup body wts.  
Positive oncogenicity in  
mice only, negative in  
rats, TOX Peer Review  
complete.

## REFERENCE DOSES

ADI UF -->100  
OPP RfD= 0.050000  
EPA RfD= 0.050000  
Q\*: 0.00420

## DATA GAPS/COMMENTS

No data gaps.

## STATUS

HED complete 03/07/86.  
EPA verified 03/26/86.  
WHO last reviewed 1983.

## COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

| FOOD CODE | FOODNAME/FOODFORM                                                                              | TOLERANCE (PPM) | TYPE | TMRC (UG/KG/DAY) | %RFD  | TMRC ONCO RISK | ANTICIPATED RESIDUE (PPM) | ARC (UG/KG/DAY) | %RFD  | ARC ONCO RISK |
|-----------|------------------------------------------------------------------------------------------------|-----------------|------|------------------|-------|----------------|---------------------------|-----------------|-------|---------------|
| 53001LA   | BEEF(ORGAN MEATS)-LIVER<br>25 COOKED-FRESH-FRIED                                               | 0.100           | P    | 0.002070         | 0.004 | 0.00000000869  | 0.00000                   | 0.000000        | 0.000 | 0.00000000    |
| 53001MA   | BEEF(ORGAN MEATS)-LEAN (W/O REMOVABLE FAT)<br>31 COOKED-FRESH OR CANNED<br>10 RAW-FRESH OR NFS | 0.100           | P    | 0.116199         | 0.232 | 0.00000048804  | 0.00000                   | 0.000000        | 0.000 | 0.00000000    |
| 530028A   | GOAT(ORGAN MEATS)-OTHER<br>00 NOT SPECIFIED                                                    | 0.100           | P    | 0.000000         | 0.000 | 0.00000000000  | 0.00000                   | 0.000000        | 0.000 | 0.00000000    |
| 530028B   | GOAT(ORGAN MEATS)-OTHER<br>00 NOT SPECIFIED                                                    | 0.100           | P    | 0.000000         | 0.000 | 0.00000000000  | 0.00000                   | 0.000000        | 0.000 | 0.00000000    |
| 53002FA   | GOAT(ORGAN MEATS)-FAT<br>23 COOKED-FRESH-BOILED                                                | 0.100           | P    | 0.000004         | 0.000 | 0.00000000002  | 0.00000                   | 0.000000        | 0.000 | 0.00000000    |
| 53002KA   | GOAT(ORGAN MEATS)-KIDNEY<br>00 NOT SPECIFIED                                                   | 0.100           | P    | 0.000000         | 0.000 | 0.00000000000  | 0.00000                   | 0.000000        | 0.000 | 0.00000000    |
| 53002LA   | GOAT(ORGAN MEATS)-LIVER<br>00 NOT SPECIFIED                                                    | 0.100           | P    | 0.000000         | 0.000 | 0.00000000000  | 0.00000                   | 0.000000        | 0.000 | 0.00000000    |
| 53002MA   | GOAT(ORGAN MEATS)-LEAN (W/O REMOVABLE FAT)<br>23 COOKED-FRESH-BOILED                           | 0.100           | P    | 0.000019         | 0.000 | 0.00000000008  | 0.00000                   | 0.000000        | 0.000 | 0.00000000    |
| 53003AA   | HORSE<br>00 NOT SPECIFIED                                                                      | 0.100           | P    | 0.000000         | 0.000 | 0.00000000000  | 0.00000                   | 0.000000        | 0.000 | 0.00000000    |
| 530058A   | SHEEP-MEAT BYPRODUCTS<br>21 COOKED-NFS                                                         | 0.100           | P    | 0.000005         | 0.000 | 0.00000000002  | 0.00000                   | 0.000000        | 0.000 | 0.00000000    |
| 530058B   | SHEEP(ORGAN MEATS)-OTHER<br>21 COOKED-NFS                                                      | 0.100           | P    | 0.000002         | 0.000 | 0.00000000001  | 0.00000                   | 0.000000        | 0.000 | 0.00000000    |
| 53005FA   | SHEEP(ORGAN MEATS)-FAT<br>21 COOKED-NFS                                                        | 0.100           | P    | 0.000430         | 0.001 | 0.00000000181  | 0.00000                   | 0.000000        | 0.000 | 0.00000000    |
| 53005KA   | SHEEP(ORGAN MEATS)-KIDNEY<br>21 COOKED-NFS                                                     | 0.100           | P    | 0.000001         | 0.000 | 0.00000000000  | 0.00000                   | 0.000000        | 0.000 | 0.00000000    |
| 53005LA   | SHEEP(ORGAN MEATS)-LIVER<br>00 NOT SPECIFIED                                                   | 0.100           | P    | 0.000000         | 0.000 | 0.00000000000  | 0.00000                   | 0.000000        | 0.000 | 0.00000000    |
| 53005MA   | SHEEP(ORGAN MEATS)-LEAN (W/O REMOVABLE FAT)<br>21 COOKED-NFS                                   | 0.100           | P    | 0.001248         | 0.002 | 0.000000000524 | 0.00000                   | 0.000000        | 0.000 | 0.00000000    |
| 530068A   | PORK-MEAT BYPRODUCTS<br>21 COOKED-NFS                                                          | 0.100           | P    | 0.002508         | 0.005 | 0.00000001053  | 0.00000                   | 0.000000        | 0.000 | 0.00000000    |
| 530068B   | PORK(ORGAN MEATS)-OTHER<br>21 COOKED-NFS                                                       | 0.100           | P    | 0.000385         | 0.001 | 0.00000000162  | 0.00000                   | 0.000000        | 0.000 | 0.00000000    |

## TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 05/17/91

PAGE: 12

## CHEMICAL INFORMATION

## STUDY TYPE

## EFFECTS

## REFERENCE DOSES

## DATA GAPS/COMMENTS

## STATUS

Benomyl  
Caswell #075A  
CAS No. 17804-35-2  
A.I. CODE: 099101  
CFR No. 180.2943gen reprod. rat  
NOEL= 5,000 mg/kg  
100.00 ppm  
LEL= 25,000 mg/kg  
500.00 ppm  
ONCD: Class C (SAP/HED)Decreased pup body wts.  
Positive oncogenicity in  
mice only, negative in  
rats, TOX Peer Review  
complete.ADI UF -->100  
OPP RfD= 0.050000  
EPA RfD= 0.050000

No data gaps.

HED complete 03/07/86.  
EPA verified 03/26/86.  
WHO last reviewed 1983.

## COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

| FOOD CODE                       | FOODNAME/FOODFORM                                                            | TOLERANCE (PPM) | TYPE | TMRC (UG/KG/DAY) | XRFD  | TMRC ONCD RISK | ANTICIPATED RESIDUE (PPM) | ARC (UG/KG/DAY) | XRFD  | ARC ONCD RISK |
|---------------------------------|------------------------------------------------------------------------------|-----------------|------|------------------|-------|----------------|---------------------------|-----------------|-------|---------------|
| 53006FA                         | 26 COOKED-FRESH-PICKLED,CORNERD,OR CURED PORK(BONELESS)-FAT (INCLUDING LARD) | 0.100           | P    | 0.020820         | 0.042 | 0.00000008744  | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 10 RAW-FRESH OR NFS                                                          |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 21 COOKED-NFS                                                                |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 23 COOKED-FRESH-BOILED                                                       |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 25 COOKED-FRESH-FRIED                                                        |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
| 53006KA                         | 26 COOKED-FRESH-PICKLED,CORNERD,OR CURED PORK(ORGAN MEATS)-KIDNEY            | 0.100           | P    | 0.000001         | 0.000 | 0.00000000000  | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
| 53006LA                         | 21 COOKED-NFS                                                                |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 21 COOKED-NFS                                                                |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
| 53006MA                         | 25 COOKED-FRESH-FRIED PORK(BONELESS)-LEAN (W/O REMOVABLE FAT)                | 0.100           | P    | 0.039125         | 0.078 | 0.00000016433  | 0.00000                   | 0.000001        | 0.000 | 0.000000000   |
|                                 | 21 COOKED-NFS                                                                |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 25 COOKED-FRESH-FRIED                                                        |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 26 COOKED-FRESH-PICKLED,CORNERD,OR CURED                                     |                 |      |                  |       |                | 0.00000                   | 0.000001        | 0.000 | 0.000000000   |
| CROP GROUP TOTALS FOR RED MEAT: |                                                                              |                 |      |                  |       |                |                           |                 |       |               |
|                                 |                                                                              |                 |      | 0.223177         | 0.446 | 0.00000093734  |                           | 0.000008        | 0.000 | 0.000000000   |
| 55008BA                         | TURKEY-BYPRODUCTS                                                            | 0.100           | P    | 0.000024         | 0.000 | 0.00000000010  | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 21 COOKED-NFS                                                                |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 26 COOKED-FRESH-PICKLED,CORNERD,OR CURED                                     |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
| 55008LA                         | TURKEY-GIBLETS (LIVER)                                                       | 0.200           | P    | 0.000011         | 0.000 | 0.00000000005  | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 21 COOKED-NFS                                                                |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 25 COOKED-FRESH-FRIED                                                        |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
| 55008MA                         | TURKEY-FLESH(W/O SKIN, W/O BONES)                                            | 0.100           | P    | 0.000797         | 0.002 | 0.00000000335  | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 21 COOKED-NFS                                                                |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 31 COOKED-FRESH OR CANNED                                                    |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 62 COOKED-FRESH OR FROZEN-BAKED                                              |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
| 55008MB                         | TURKEY-FLESH(+SKIN,W/O BONES)                                                | 0.100           | P    | 0.004817         | 0.010 | 0.00000002023  | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 21 COOKED-NFS                                                                |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 25 COOKED-FRESH-FRIED                                                        |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
| 55008MC                         | TURKEY-UNSPECIFIED                                                           | 0.100           | P    | 0.000010         | 0.000 | 0.00000000004  | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 21 COOKED-NFS                                                                |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
| 55013BA                         | POULTRY,OTHER-BYPRODUCTS                                                     | 0.100           | P    | 0.000000         | 0.000 | 0.00000000000  | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 00 NOT SPECIFIED                                                             |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
| 55013LA                         | POULTRY,OTHER-GIBLETS(LIVER)                                                 | 0.200           | P    | 0.000046         | 0.000 | 0.00000000019  | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 25 COOKED-FRESH-FRIED                                                        |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
| 55013MA                         | POULTRY,OTHER-FLESH (+SKIN,W/O BONES)                                        | 0.100           | P    | 0.000539         | 0.001 | 0.00000000226  | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 21 COOKED-NFS                                                                |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
| 55015BA                         | CHICKEN-BYPRODUCTS                                                           | 0.100           | P    | 0.000000         | 0.000 | 0.00000000000  | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |
|                                 | 00 NOT SPECIFIED                                                             |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000000   |

## TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 05/17/91

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## CHEMICAL INFORMATION

## STUDY TYPE

## EFFECTS

## REFERENCE DOSES

## DATA GAPS/COMMENTS

## STATUS

|                                                                                         |                                                                                                                        |                                                                                                                     |                                                          |                |                                                                             |
|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------|-----------------------------------------------------------------------------|
| Benzomyl<br>Caswell #075A<br>CAS No. 17804-35-2<br>A.I. CODE: 099101<br>CFR No. 180.294 | 3gen reprod - rat<br>NOEL = 5.0000 mg/kg<br>100.00 ppm<br>LEL = 25.0000 mg/kg<br>500.00 ppm<br>ONCO: Class C (SAP/HED) | Decreased pup body wts.<br>Positive oncogenicity in<br>mice only, negative in<br>rats, TOX Peer Review<br>complete. | ADI UF = 100<br>OPR RfD = 0.050000<br>EPA RfD = 0.050000 | No data gaps.  | HED complete 03/07/86.<br>EPA verified 03/26/86.<br>WHO last reviewed 1983. |
|                                                                                         |                                                                                                                        |                                                                                                                     | Q* = 0.00420                                             | Q* calculated. | On IRIS.                                                                    |

## COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

| FOOD CODE                      | FOODNAME/FOODFORM                       | TOLERANCE (PPM) | TYPE | TMRC (UG/KG/DAY) | %RFD  | TMRC ONCO RISK | ANTICIPATED RESIDUE (PPM) | ARC (UG/KG/DAY) | %RFD  | ARC ONCO RIS |
|--------------------------------|-----------------------------------------|-----------------|------|------------------|-------|----------------|---------------------------|-----------------|-------|--------------|
| 55015LA                        | CHICKEN-GIBLETS(LIVER)                  | 0.200           | P    | 0.001013         | 0.002 | 0.00000000425  | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
|                                | 21 COOKED-NFS                           |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
|                                | 25 COOKED-FRESH-FRIED                   |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
|                                | 26 COOKED-FRESH-PICKLED,CORNER,OR CURED |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
| 55015MA                        | CHICKEN-FLESH(W/O SKIN,W/O BONES)       | 0.100           | P    | 0.006014         | 0.012 | 0.00000002526  | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
|                                | 21 COOKED-NFS                           |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
|                                | 22 COOKED-FRESH-BAKED                   |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
|                                | 25 COOKED-FRESH-FRIED                   |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
|                                | 31 COOKED-FRESH OR CANNED               |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
|                                | 53 COOKED-CANNED-BOILED                 |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
| 55015MB                        | CHICKEN-FLESH(+SKIN,W/O BONES)          | 0.100           | P    | 0.037932         | 0.076 | 0.00000015931  | 0.00000                   | 0.000001        | 0.000 | 0.000000     |
|                                | 21 COOKED-NFS                           |                 |      |                  |       |                | 0.00000                   | 0.000001        | 0.000 | 0.000000     |
|                                | 25 COOKED-FRESH-FRIED                   |                 |      |                  |       |                | 0.00000                   | 0.000001        | 0.000 | 0.000000     |
| CROP GROUP TOTALS FOR POULTRY: |                                         |                 |      |                  |       |                |                           |                 |       |              |
|                                |                                         | 0.051203        |      |                  | 0.102 | 0.00000021505  |                           | 0.000002        | 0.000 | 0.000000     |
| 500000B                        | MILK-NON-FAT SOLIDS                     | 0.100           | P    | 0.713635         | 1.427 | 0.00000299727  | 0.00001                   | 0.000007        | 0.000 | 0.000000     |
|                                | 10 RAW-FRESH OR NFS                     |                 |      |                  |       |                | 0.00001                   | 0.000001        | 0.000 | 0.000000     |
|                                | 21 COOKED-NFS                           |                 |      |                  |       |                | 0.00001                   | 0.000001        | 0.000 | 0.000000     |
|                                | 51 COOKED-CANNED                        |                 |      |                  |       |                | 0.00001                   | 0.000000        | 0.000 | 0.000000     |
| 50000FA                        | MILK-FAT SOLIDS                         | 0.100           | P    | 0.339479         | 0.679 | 0.00000142581  | 0.00001                   | 0.000002        | 0.000 | 0.000000     |
|                                | 10 RAW-FRESH OR NFS                     |                 |      |                  |       |                | 0.00001                   | 0.000001        | 0.000 | 0.000000     |
|                                | 21 COOKED-NFS                           |                 |      |                  |       |                | 0.00001                   | 0.000001        | 0.000 | 0.000000     |
|                                | 51 COOKED-CANNED                        |                 |      |                  |       |                | 0.00001                   | 0.000000        | 0.000 | 0.000000     |
| 50000SA                        | MILK SUGAR (LACTOSE)                    | 0.100           | P    | 0.003743         | 0.007 | 0.00000001572  | 0.00001                   | 0.000000        | 0.000 | 0.000000     |
|                                | 21 COOKED-NFS                           |                 |      |                  |       |                | 0.00001                   | 0.000000        | 0.000 | 0.000000     |
|                                | 51 COOKED-CANNED                        |                 |      |                  |       |                | 0.00001                   | 0.000000        | 0.000 | 0.000000     |
| 55014AA                        | EGGS-WHOLE                              | 0.100           | P    | 0.056450         | 0.113 | 0.00000023709  | 0.00001                   | 0.000000        | 0.000 | 0.000000     |
|                                | 10 RAW-FRESH OR NFS                     |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
|                                | 21 COOKED-NFS                           |                 |      |                  |       |                | 0.00000                   | 0.000001        | 0.000 | 0.000000     |
|                                | 22 COOKED-FRESH-BAKED                   |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
|                                | 23 COOKED-FRESH-BOILED                  |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
|                                | 25 COOKED-FRESH-FRIED                   |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
| 55014AB                        | EGGS-WHITE ONLY                         | 0.100           | P    | 0.000920         | 0.002 | 0.00000000386  | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
|                                | 10 RAW-FRESH OR NFS                     |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
|                                | 21 COOKED-NFS                           |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
|                                | 22 COOKED-FRESH-BAKED                   |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
|                                | 62 COOKED-FRESH OR FROZEN-BAKED         |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
|                                | 81 COOKED-FROZEN                        |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
| 55014AC                        | EGGS-YOLK ONLY                          | 0.100           | P    | 0.000663         | 0.001 | 0.00000000278  | 0.00000                   | 0.000000        | 0.000 | 0.000000     |
|                                | 10 RAW-FRESH OR NFS                     |                 |      |                  |       |                | 0.00000                   | 0.000000        | 0.000 | 0.000000     |

# TOLERANCE ASSESSMENT SYSTEM ROUTINE: CHRONIC ANALYSIS

DATE: 05/17/91

PAGE: 14

## CHEMICAL INFORMATION

Beromyl  
Caswell #075A  
CAS No. 17804-35-2  
A.I. CODE: 099101  
CFR No. 180.294

## STUDY TYPE

3gen reprod. rat  
MOEL = 5,0000 mg/kg  
100.00 ppm  
LEL = 25,0000 mg/kg  
500.00 ppm  
ONCOR Class C (SAP/HED)

## EFFECTS

Decreased pup body wts.  
Positive oncogenicity in  
mice only, negative in  
rats, TOX Peer Review  
complete.

## REFERENCE DOSES

ADI UF --> 100  
OPP RfD = 0.050000  
EPA RfD = 0.050000

## DATA GAPS/COMMENTS

No data gaps.  
0\* calculated.

## STATUS

HED complete 03/07/86.  
EPA verified 03/26/86.  
WHO last reviewed 1983.

On IRIS.

## COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

| FOOD CODE                             | FOODNAME/FOODFORM      | TOLERANCE (PPM) | TMRC (UG/KG/DAY) | %RFD          | TMRC ONCOR RISK | ANTICIPATED RESIDUE (PPM) | ARC (UG/KG/DAY) | %RFD  | ARC ONCOR RISK |
|---------------------------------------|------------------------|-----------------|------------------|---------------|-----------------|---------------------------|-----------------|-------|----------------|
| 21                                    | COOKED-NFS             |                 |                  |               |                 | 0.00000                   | 0.000000        | 0.000 | 0.000000000000 |
| 25                                    | COOKED-FRESH-FRIED     |                 |                  |               |                 | 0.00000                   | 0.000000        | 0.000 | 0.000000000000 |
| 31                                    | COOKED-FRESH OR CANNED |                 |                  |               |                 | 0.00000                   | 0.000000        | 0.000 | 0.000000000000 |
| CROP GROUP TOTALS FOR DAIRY PRODUCTS: |                        | 1.114890        | 2.230            | 0.00000468254 |                 | 0.000013                  | 0.000           | 0.000 | 0.000000000005 |

GRAND TOTALS FOR U.S. POPULATION - 48 STATES

61.035512

122.071

0.00025634915

0.431250

0.863

0.00000181125

TOLERANCE TYPE: N=NEW; A=PENDING; P=PUBLISHED  
TMRC=THEORETICAL MAXIMUM RESIDUE CONTRIBUTION  
ARC = ANTICIPATED RESIDUE CONTRIBUTION  
RfD = REFERENCE DOSE

35