

Caswell No(s). 623A

To: MR Robert Taylor PM #25

Registration No(s): 1471-96/112

Pesticide Petition No(s): 2F2718 / 2H5360

Chemical(s): Oryzalin (Surtlan)

Requested Action(s): 0.05 ppm Oryzalin in or on peppermint hay and

spearmint hay; 0.1 ppm Oryzalin in or on peppermint oil and spearmint oil

Recommendation: Toxicology data support the requested tolerance.

Inert(s) cleared 180.1001: Yes

% of ADI occupied: Existing: 1.61% Resulting: 1.63%

Resulting % increase in TMRC: 0.02%

Data considered in setting the ADI: 90-Day Feeding (rat/Dog) - NOEL 750 ppm; 3-Cor. Regio

(rat) NOEL 250 ppm - Teratology (rat) NOEL 2250 ppm (HDT) Teratology (Rabbit) NOEL 125 mg/kg (HDT);

Chemical Feeding (Ovis (Horned)) NOEL 500 ppm NOT ORIGINALLY AT 3650 ppm (HDT)

Attached (?): ADI printout: YES/NO; TOX "one-liner": YES/NO; DER: YES/NO

Existing regulatory actions against registration: None

RPAR status: None

New Data: None BEST AVAILABLE COPY

Data gaps: Dominant label (rat)

Comments: Peppermint spearmint hay are not considered human food items; only the
use of these oils as oil. TB supports the request provided PCB determination
that their use will not result in residues in meat, milk, poultry or eggs.

SEP 1 1982

Reviewer: Edith J. Gray 8/18/82 Date: 9/1/82

Section Head: R. J. 8/18/82 Branch Chief: Edith J. Gray

File last updated 5/16/82

ACCEPTABLE DAILY INTAKE DATA

DCG	WELL	S.F.	EADI	MPI
mg/kg	PPM		mg/kg/day	mg/day (60kg)
15.750	750.00	2000	0.0094	0.5625

Published tolerances

CROP	Tolerance	Food Factor	mg/day (1.5kg)
Soybeans (oil) (142)	0.100	0.92	0.00138
Cottonseed (oil) (41)	0.050	0.15	0.00011
Avocados (6)	0.050	0.03	0.00002
Citrus Fruits (33)	0.050	3.31	0.00286
Figs (57)	0.050	0.03	0.00002
Kiwi Fruit (204)	0.050	0.03	0.00002
Nuts (101)	0.050	0.10	0.00008
Olives (104)	0.050	0.06	0.00005
Pistachio nuts (210)	0.050	0.03	0.00002
Pome Fruits (126)	0.050	2.79	0.00209
Pomegranates (186)	0.050	0.03	0.00002
Small Fruit, berries (140)	0.050	0.03	0.00062
Stone Fruits (151)	0.050	1.25	0.00094
Sweet Potatoes (157)	0.050	0.40	0.00030
Peas (117)	0.050	0.69	0.00052

MPI 0.5625 mg/day (60kg) THRC 0.0094 mg/day (1.5kg) % ADI 1.31

Current Action 2F2717, 2F2718/2A5360

CROP	Tolerance	Food Factor	mg/day (1.5kg)
Potatoes (127)	0.100	5.43	0.00314
Peppermint (119)	0.100	0.03	0.00005
Spearmint (149)	0.100	0.03	0.00005

MPI 0.5625 mg/day (60kg) THRC 0.0173 mg/day (1.5kg) % ADI 3.07
