

## **PLEASE NOTE**

**This image contains more than one label  
approved for this product on this date.**

241-337

01102/2008

1/5

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JAN -2 2008

Craig D Kleppe  
BASF Corporation  
Agricultural Products  
P.O. Box 13528  
Research Triangle Park, NC 27709-3528

Dear Mr. Kleppe:

Subject: Supplemental Labeling  
For Use on Artichoke  
Prowl 3.3 EC Herbicide  
EPA Reg. No. 241-337  
Prowl H<sub>2</sub>O Herbicide  
EPA Reg. No. 241-418  
Submission dated October 17, 2007

The supplemental label, referred to above, submitted in connection with the application under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided that you make the following changes:

1. Add a statement of the weight of pendimethalin per gallon product. Also, add a statement to indicate that Prowl 3.3 EC herbicide contains aromatic naphtha.
2. Add the First Aid statements from the Agency accepted Master Label for Prowl 3.3 EC herbicide since this product contains aromatic naphtha.
3. Under "Restrictions and Limitations";

Add the following additional restrictions:

- Apply only once per year.
- The plant-back intervals (PBIs) are 90-days for rotated cereal grain crops, and 270-days for all other rotated crops.

A stamped copy of the accepted label is enclosed for your records. Please submit a copy of your final printed labeling before you release the product for shipment.

To fulfill the registration requirements, submit results of the following studies for review by June 1, 2009:

Page 2

EPA Reg. No. 241-337-418

1. Conduct a limited field accumulation study (OPPTS 860.1900) to determine the amount of pesticide residue uptake into rotational crops. The limited field trials should reflect the maximum label use rate of 4.0 lb ai/A for rotated crops, and should be conducted on a representative crop (as defined in 40CFR §180.41), at two trial sites per crop, for the following three crop groups:

- (1) root and tuber vegetables,
- (2) leafy vegetables, and
- (3) small grains (wheat, barley, oats, rye),

for a total of six trials. The six trials should be conducted on crops which the petitioner intends to have as rotational crops on the label. Samples should be analyzed for pendimethalin and its 3, 5-dinitrobenzyl alcohol metabolite.

2. Conduct a sediment toxicity data for a benthic invertebrate that filters or ingests sediment.
3. Conduct or submit a vegetative vigor (dicot) study. You may request a waiver for this study.

Section F of the petition must be revised to reflect the recommended tolerance levels and correct commodity definitions listed in the following table:

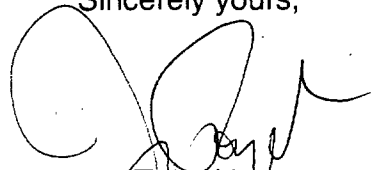
Tolerance Summary for Pendimethalin			
Commodity	Proposed Tolerance (ppm)	Recommended Tolerance (ppm)	Comments <sup>1</sup> ; <i>Correct Commodity Definition</i>
Artichoke, globe	0.05	0.1	Adequate field trial data are available. All combined residues were <0.1 ppm.

<sup>1</sup> MLE = Maximum Limit Estimator; MRL = Maximum Residue Limit

Page 3  
EPA Reg. No. 241-337-418

Please contact us if you have any questions.

Sincerely yours,



Jim Tompkins  
Product manager (25)  
Herbicide Branch  
Registration Division (7505P)

Enclosure

CONCURRENCES

SYMBOL >	7505P	7505P						
SURNAME >	Bien	Tompkins						
DATE >	12-17-07	12/28/07						

# Prowl<sup>®</sup> 3.3 EC herbicide

## Supplemental Labeling

### FOR USE ON ARTICHOKE

EPA Reg. No. 241- 337

**Active Ingredient:**  
 pendimethalin (N-(1-ethylpropyl)-3, 4-dimethyl-2,6-dinitrobenzenamine)..... 37.4%  
**INERT INGREDIENTS:** ..... 62.6%  
**TOTAL** ..... 100.0%

**OBSERVE ALL PRECAUTIONARY STATEMENTS, MIXING AND APPLICATION INSTRUCTIONS, AND FOLLOW CROP RESTRICTIONS ON THE PROWL<sup>®</sup> 3.3 EC HERBICIDE MAIN PRODUCT CONTAINER LABEL BEFORE USING.**

#### Directions For Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Refer to **Prowl 3.3 EC** main product label for **Precautionary Statements, First Aid and Personal Protective Equipment** requirements, and follow all recommendations, special instructions and precautions. This supplemental label must be in the user's possession during application.

#### General Information

**Prowl 3.3 EC** controls most annual grasses and certain broadleaf weeds as they germinate. Refer to **Prowl 3.3 EC** main product label for complete listing of controlled weeds.

Always perform a mixing test to check the compatibility of **Prowl 3.3 EC** with all potential tank mix partners.

#### Endangered Species

To determine whether your county has an endangered species, consult the website <http://www.epa.gov/espp/usa-map.htm>.

Endangered Species Bulletins may also be obtained from Extension offices or state pesticide agencies. If the bulletin is not available for your specific area, check with the appropriate local state agency to determine if known populations of endangered species occur in the area to be treated.

#### Application Instructions

Uniformly apply **Prowl 3.3 EC** to artichoke up to 9.7 pints per acre as a broadcast spray to the soil surface at least 200 days prior to harvest. Application must be made pre-transplant to artichoke, at no less than 1 – 2 days prior to transplanting.

**Prowl 3.3 EC** should be applied prior to weed emergence. **EMERGED WEEDS WILL NOT BE CONTROLLED BY THIS TREATMENT.** Adequate rainfall or overhead irrigation within 7 days after application will provide the most consistent weed control. If no rain is expected the herbicide may be lightly incorporated into the soil shortly after application, but before transplanting.

Follow all precautions and restrictions on the labels of all products applied in combination with **Prowl 3.3 EC**. Always follow the most restrictive label.

**Restrictions and Limitations**

**DO NOT** apply postemergence over the top of or to foliage of artichoke as severe injury may occur.

**DO NOT** apply more than 9.7 pints per acre per season.

**DO NOT** apply within 200 days of harvest.

**DO NOT** feed forage or graze livestock in treated fields.

**DO NOT** use **Prowl 33 EC** on peat or muck soils.

**Conditions of Sale and Warranty**

The **Directions For Use** of this product reflects the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT PERMITTED BY LAW, BASF OR THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No

241337

*Prowl* is a registered trademark of BASF.

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000241-00337.20061013.NVA 2006-04-129-0258

BASF Corporation  
Agricultural Products

26 Davis Drive

Research Triangle Park, NC 27709



The Chemical Company

JAN - 2-2008

**NEXT**

**LABEL**

241-337

01/02/2008

1/5



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

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

JAN - 2 2008

Craig D Kleppe  
BASF Corporation  
Agricultural Products  
P.O. Box 13528  
Research Triangle Park, NC 27709-3528

Dear Mr. Kleppe:

Subject: Supplemental Labeling  
For Use on Brassica Head and  
Stem Vegetables  
Prowl 3.3 EC Herbicide  
EPA Reg. No. 241-337  
Prowl H<sub>2</sub>O Herbicide  
EPA Reg. No. 241-418  
Submission dated October 17, 2007

The supplemental label, referred to above, submitted in connection with the application under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided that you make the following changes:

1. Add a statement of the weight of pendimethalin per gallon product. Also, add a statement to indicate that this product contains aromatic naphtha.
2. Add the First Aid statements from the Agency accepted Master Label for Prowl 3.3 EC herbicide since this product contains aromatic naphtha.
3. Under "Restrictions and Limitations";

Add the following additional restrictions:

- Apply only once per year.
- The plant-back intervals (PBIs) are 90-days for rotated cereal grain crops, and 270-days for all other rotated crops.



A stamped copy of the accepted label is enclosed for your records. Please submit a copy of your final printed labeling before you release the product for shipment.

To fulfill the registration requirements, submit results of the following studies for review by June 1, 2009:

1. Conduct a limited field accumulation study (OPPTS 860.1900) to determine the amount of pesticide residue uptake into rotational crops. The limited field trials should reflect the proposed maximum label use rate of 4.0 lb ai/A for rotated crops, and should be conducted on a representative crop (as defined in 40CFR §180.41), at two trial sites per crop, for the following three crop groups:

- (1) root and tuber vegetables,
- (2) leafy vegetables, and
- (3) small grains (wheat, barley, oats, rye),

for a total of six trials. The six trials should be conducted on crops which the petitioner intends to have as rotational crops on the label. Samples should be analyzed for pendimethalin and its 3, 5-dinitrobenzyl alcohol metabolite.

2. Conduct a sediment toxicity data for a benthic invertebrate that filters or ingests sediment.
3. Conduct or submit a vegetative vigor (dicot) study. You may request a waiver for this study.

Section F of the petition must be revised to reflect the recommended tolerance levels and correct commodity definitions listed in the following table:

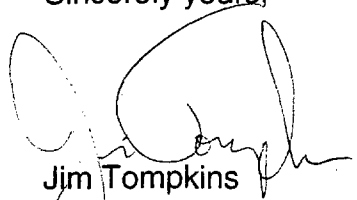
Tolerance Summary for Pendimethalin			
Commodity	Proposed Tolerance (ppm)	Recommended Tolerance (ppm)	Comments <sup>1</sup> ; <i>Correct Commodity Definition</i>
<i>Brassica</i> , head and stem vegetables, subgroup 5A	0.05	0.1	Adequate field trial data are available. All combined residues were <0.1 ppm.

<sup>1</sup> MLE = Maximum Limit Estimator; MRL = Maximum Residue Limit

Page 3  
EPA Reg. No. 241-337-418

Please contact us if you have any questions.

Sincerely yours,



Jim Tompkins  
Product manager (25)  
Herbicide Branch  
Registration Division (7505P)

Enclosure

4/5

# Prowl<sup>®</sup> 3.3 EC herbicide

## Supplemental Labeling

### FOR USE ON BRASSICA HEAD and STEM VEGETABLES

EPA Reg. No. 241-337

**Active Ingredient:**

pendimethalin (N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine)..... 37.4%

**INERT INGREDIENTS:** ..... 62.6%

**TOTAL** ..... 100.0%

**OBSERVE ALL PRECAUTIONARY STATEMENTS, MIXING AND APPLICATION INSTRUCTIONS, AND FOLLOW CROP RESTRICTIONS ON THE PROWL<sup>®</sup> 3.3 EC HERBICIDE MAIN PRODUCT CONTAINER LABEL BEFORE USING.**

**Directions For Use**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Refer to **Prowl 3.3 EC** main product label for **Precautionary Statements, First Aid and Personal Protective Equipment** requirements, and follow all recommendations, special instructions and precautions. This supplemental label must be in the user's possession during application.

**General Information**

**Prowl 3.3 EC** controls most annual grasses and certain broadleaf weeds as they germinate. Refer to **Prowl 3.3 EC** main product label for complete listing of controlled weeds.

Always perform a mixing test to check the compatibility of **Prowl 3.3 EC** with all potential tank mix partners.

**Endangered Species**

To determine whether your county has an endangered species, consult the website <http://www.epa.gov/espp/usa-map.htm>.

Endangered Species Bulletins may also be obtained from Extension offices or state pesticide agencies. If the bulletin is not available for your specific area, check with the appropriate local state agency to determine if known populations of endangered species occur in the area to be treated.

**Application Instructions**

**Prowl 3.3 EC** may be applied to Brassica head and stem vegetables, such as:

- Broccoli
- Chinese Broccoli
- Brussels Sprouts
- Cabbage
- Chinese Cabbage (napa)
- Chinese Mustard Cabbage
- Cauliflower
- Cavalo Broccolo
- Kohlrabi

Uniformly apply **Prowl 3.3 EC** to Brassica head and stem vegetables up to 2.4 pints per acre as a broadcast postemergence foliar spray or as a postemergence-directed spray between vegetable rows. Apply to 2 – 4 leaf vegetable transplants at 1 to 3 days after transplanting, or to the 2 – 4 leaf stage of direct-seeded vegetable plants.

**Prowl 3.3 EC** should be applied prior to weed emergence. EMERGED WEEDS WILL NOT BE CONTROLLED BY THIS TREATMENT. Adequate rainfall or overhead irrigation within 7 days after application will provide the most consistent weed control. If no rain is expected the herbicide may be lightly incorporated into the soil shortly after application, but before transplanting.

Follow all precautions and restrictions on the labels of all products applied in combination with **Prowl 3.3 EC**. Always follow the most restrictive label.

**Restrictions and Limitations**

**DO NOT** apply more than 2.4 pints per acre per season.

**DO NOT** apply within 60 days of broccoli harvest, and within 70 days of cabbage harvest.

**DO NOT** feed forage or graze livestock in treated fields.

**DO NOT** use **Prowl 3.3 EC** on peat or muck soils.

**Conditions of Sale and Warranty**

The **Directions For Use** of this product reflects the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT PERMITTED BY LAW, BASF OR THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

*Prowl* is a registered trademark of BASF.

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All rights reserved.

000241-00337.20061013.NVA 2006-04-129-0260

BASF Corporation  
Agricultural Products  
26 Davis Drive  
Research Triangle Park, NC 27709

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

241-337

JAN - 2 2008



The Chemical Company

**NEXT**

**LABEL**

241-337

01/02/2008

1/5



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

JAN - 2 2008

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Craig D Kleppe  
BASF Corporation  
Agricultural Products  
P.O. Box 13528  
Research Triangle Park, NC 27709-3528

Dear Mr. Kleppe:

Subject: Supplemental Labeling  
For Use on Asparagus  
Prowl 3.3 EC Herbicide  
EPA Reg. No. 241-337  
Prowl H<sub>2</sub>O Herbicide  
EPA Reg. No. 241-418  
Submission dated October 17, 2007

The supplemental label, referred to above, submitted in connection with the application under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided that you make the following changes:

1. Add a statement of the weight of pendimethalin per gallon product. Also, add a statement to indicate that Prowl 3.3 EC herbicide contains aromatic naphtha.
2. Add the First Aid statements from the Agency accepted Master Label for Prowl 3.3 EC herbicide since this product contains aromatic naphtha.
3. Under "Restrictions and Limitations";

Add the following additional restrictions:

- Apply only once per year.
- The plant-back intervals (PBIs) are 90-days for rotated cereal grain crops, and 270-days for all other rotated crops.

A stamped copy of the accepted label is enclosed for your records. Please submit a copy of your final printed labeling before you release the product for shipment.

To fulfill the registration requirements, submit results of the following studies for review by June 1, 2009:

1. Conduct a limited field accumulation study (OPPTS 860.1900) to determine the amount of pesticide residue uptake into rotational crops. The limited field trials should reflect the maximum label use rate of 4.0 lb ai/A for rotated crops, and should be conducted on a representative crop (as defined in 40CFR §180.41), at two trial sites per crop, for the following three crop groups:
  - (1) root and tuber vegetables,
  - (2) leafy vegetables, and
  - (3) small grains (wheat, barley, oats, rye),

for a total of six trials. The six trials should be conducted on crops which the petitioner intends to have as rotational crops on the label. Samples should be analyzed for pendimethalin and its 3, 5-dinitrobenzyl alcohol metabolite.

2. Conduct a sediment toxicity data for a benthic invertebrate that filters or ingests sediment.
3. Conduct or submit a vegetative vigor (dicot) study. You may request a waiver for this study.

Section F of the petition must be revised to reflect the recommended tolerance levels and correct commodity definitions listed in the following table:

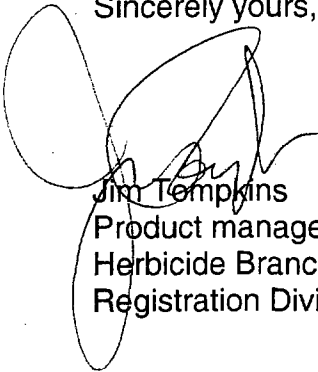
Tolerance Summary for Pendimethalin			
Commodity	Proposed Tolerance (ppm)	Recommended Tolerance (ppm)	Comments <sup>1</sup> ; <i>Correct Commodity Definition</i>
Asparagus	0.1	0.15	Adequate asparagus field trial data are available and the tolerance was calculated using the MLE and MRL spreadsheets.

<sup>1</sup> MLE = Maximum Limit Estimator; MRL = Maximum Residue Limit

Page 3  
EPA Reg. No. 241-337-418

Please contact us if you have any questions.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Jim Tompkins", is written over the typed name and title.

Jim Tompkins  
Product manager (25)  
Herbicide Branch  
Registration Division (7505P)

Enclosure



4/5

# Prowl<sup>®</sup> 3.3 EC herbicide

## Supplemental Labeling

### FOR USE ON ASPARAGUS

EPA Reg. No. 241-337

**Active Ingredient:**

pendimethalin (N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine)..... 37.4%

**INERT INGREDIENTS:** ..... 62.6%

**TOTAL** ..... 100.0%

**OBSERVE ALL PRECAUTIONARY STATEMENTS, MIXING AND APPLICATION INSTRUCTIONS, AND FOLLOW CROP RESTRICTIONS ON THE PROWL<sup>®</sup> 3.3 EC HERBICIDE MAIN PRODUCT CONTAINER LABEL BEFORE USING.**

**Directions For Use**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Refer to **Prowl 3.3 EC** main product label for **Precautionary Statements, First Aid** and **Personal Protective Equipment** requirements, and follow all recommendations, special instructions and precautions. This supplemental label must be in the user's possession during application.

**General Information**

**Prowl 3.3 EC** controls most annual grasses and certain broadleaf weeds as they germinate. Refer to **Prowl 3.3 EC** main product label for complete listing of controlled weeds.

Always perform a mixing test to check the compatibility of **Prowl 3.3 EC** with all potential tank mix partners.

**Endangered Species**

To determine whether your county has an endangered species, consult the website <http://www.epa.gov/espp/usa-map.htm>.

Endangered Species Bulletins may also be obtained from Extension offices or state pesticide agencies. If the bulletin is not available for your specific area, check with the appropriate local state agency to determine if known populations of endangered species occur in the area to be treated.

**Application Instructions**

Uniformly apply **Prowl 3.3 EC** to asparagus up to 9.7 pints per acre as a broadcast spray to the soil surface at least 14 days before the first harvest. Application must be made prior to spear emergence or remove emerged spears prior to making the application.

**Prowl 3.3 EC** should be applied prior to weed emergence. EMERGED WEEDS WILL NOT BE CONTROLLED BY THIS TREATMENT. Adequate rainfall or overhead irrigation within 7 days after application will provide the most consistent weed control. If no rain is expected the herbicide may be lightly incorporated into the soil shortly after application, but before transplanting.

Follow all precautions and restrictions on the labels of all products applied in combination with **Prowl 3.3 EC**. Always follow the most restrictive label.

**Restrictions and Limitations**

**DO NOT** apply postemergence over the top of emerged spears as severe injury may occur.

**DO NOT** apply more than 9.7 pints per acre per season.

**DO NOT** apply within 14 days of harvest.

**DO NOT** feed forage or graze livestock in treated fields.

**DO NOT** use **Prowl 3.3 EC** on peat or muck soils.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

241-337

JAN - 2-2008

**Conditions of Sale and Warranty**

The **Directions For Use** of this product reflects the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT PERMITTED BY LAW, BASF OR THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

*Prowl* is a registered trademark of BASF.

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000241-00337.20061013.NVA 2006-04-129-0259

BASF Corporation  
Agricultural Products  
26 Davis Drive  
Research Triangle Park, NC 27709



The Chemical Company