



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

February 21, 2024

Amanda Albers  
Senior Regulatory Affairs Manager  
Bayer CropScience LP  
800 N. Lindbergh Blvd.  
St. Louis, MO 63167

Subject: Label Amendment - Registration Review Mitigation for Flufenacet  
Product Name: FLUFENACET DF HERBICIDE  
EPA Registration Number: 264-765  
Application Date: July 16, 2019 & April 7, 2023  
Decision Number: 553226

Dear Amanda Albers:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Flufenacet Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling

before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact DeMariah Koger by phone at (202)-566-2288, or via email at [Koger.demariah@epa.gov](mailto:Koger.demariah@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington".

Linda Arrington, Branch Chief  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

ENCLOSURE: Stamped label

FLUFENACET	GROUP	15	HERBICIDE
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# DEFINE™ DF Herbicide

For control of certain grass and broadleaf weeds in corn and soybeans.

**ACTIVE INGREDIENT:**

Flufenacet (CAS No. 142459-58-3)\*  
*N*-(4-Fluorophenyl)-*N*-(1-methylethyl)-2-[[5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl]-oxy]acetamide ..... 60.0%

**OTHER INGREDIENTS:** ..... 40.0%  
 100.0%

EPA Reg. No. 264-765

EPA Est. No.

## Keep out of reach of children

### WARNING AVISO

PRECAUCION AL USUARIO: Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
 (TO THE USER: If you do not understand the label, find someone to explain it to you in detail.)

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577  
 For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

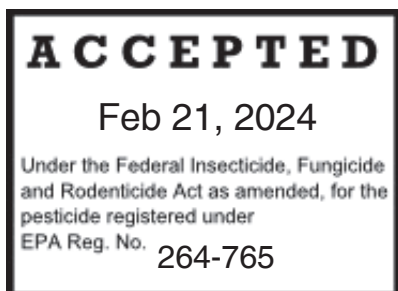
See [Back][Side] Panel for First Aid Instructions and [Leaflet][Booklet] for Complete Precautionary Statements and Directions for Use. (Note to reviewer: Location of additional precautionary statements, directions for use will vary between those listed, depending on container type/size.)

#### FIRST AID

<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577. Have a DEFINE™ DF Herbicide container or label with you when calling a poison control center or doctor, or going for treatment.

**Note To Physician:** No specific antidote is available. Treat the patient symptomatically.



## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### WARNING

May be fatal if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

#### Personal Protective Equipment:

All handlers must wear a minimum of:

- long sleeved shirt
- long pants
- shoes and socks
- chemical resistant gloves made of any waterproof material

Additional required PPE for specific activities/crops are included in the application instructions for each crop.

#### Corn

In addition to the PPE for all handlers, mixers and loaders must use Engineering Controls that meet the requirements listed in the WPS for agricultural pesticides (40 CFR 170.607(d)(2)(i) &(ii)) for dermal and inhalation protection.

Except when using an enclosed cab that meets the requirements listed in the WPS for agricultural pesticides (40 CFR 170.305) for dermal and inhalation protection, applicators must wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter.

#### Soybeans

Mixers and Loaders must use Engineering Controls that meet the requirements listed in the WPS for agricultural pesticides (40 CFR 170.607(d)(2)(i) &(ii)) for dermal and inhalation protection.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.607(d-f)), the handler PPE requirements may be reduced or modified as specified in the WPS.

### User Safety Recommendations

#### User should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

**For Terrestrial Uses:** **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

**Ground Water:** This product is known to leach through soil into groundwater under certain conditions as a result of label use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

**Surface Water:** This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of flufenacet and its degradates from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

## 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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment (PPE), restricted-entry interval, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**DO NOT** enter or allow workers to enter during the restricted-entry interval (REI). The REI and exceptions are listed in the Directions for Use associated with the crop. Notify workers of the exception (including when entry is permitted for each of the tasks named in the exception).

**Exception:** If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

### PRODUCT INFORMATION

DEFINE™ DF Herbicide is a selective herbicide for control of many annual grasses and certain broadleaf weeds in field corn, white corn, corn grown for silage, field corn grown for seed, sweet corn, and soybeans. DEFINE™ may be applied preplant surface, preplant incorporated (mix into the top 1 to 2 inch layer of soil), preemergence and/or early postemergence. DEFINE™ will provide its most effective weed control when applied and subsequently moved into the soil by rainfall, sprinkler irrigation or mechanical tillage prior to weed emergence.

DEFINE™ DF Herbicide may be applied using either water or sprayable fluid fertilizer as a liquid carrier.

DEFINE™ DF Herbicide may be applied either alone or in tank mix combination with additional herbicides. **When tank mixing, always observe all precautionary statements and limitations on labeling of all products.**

Dry weather following preemergence application of DEFINE™ or recommended tank mixtures may reduce effectiveness. Cultivate if weeds develop.

### USE RESTRICTIONS

DEFINE™ DF Herbicide is for use on soybeans, field corn, white corn, corn grown for silage, field corn grown for seed, and sweet corn. **DO NOT** use on popcorn.

**DO NOT** apply this product through any type of irrigation system. **DO NOT** apply aerially.

**DO NOT** use flood irrigation to apply, activate or incorporate DEFINE™ DF Herbicide.

**DO NOT** apply more than 21 ounces DEFINE™ DF Herbicide per acre per year in corn and 12 ounces per acre per year in soybeans.

**DO NOT** make a postemergence application of DEFINE™ DF Herbicide to corn beyond the 5<sup>th</sup> leaf collar growth stage (begin count with the 1<sup>st</sup> leaf-rounded tip).

**DO NOT** harvest corn forage (silage) within 75 days after a postemergence application.

Corn and soybean seed should be planted a minimum of 1 to 1-1/2 inches deep.

If any crop treated with DEFINE™ DF Herbicide is lost, corn or soybeans may be replanted immediately. **DO NOT** make a second application of DEFINE™.

This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing / loading areas.

Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude

precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specific minimum containment capacities **DO NOT** apply to vehicles when delivering pesticide shipments to the mixing / loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

This product must be used in a manner which will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures or rinsates.

#### SPRAY DRIFT

1. When using ground application equipment, apply with nozzle height no more than 4 feet above the ground or crop canopy.
2. Applicators are required to use Medium droplet size (ASABE S572.1).
3. **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
4. **DO NOT** apply during temperature inversions.

#### SPRAY DRIFT ADVISORIES

The interaction of many equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions.

#### IMPORTANCE OF DROPLET SIZE

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. **APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL, BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONS!** See Wind, Temperature and Humidity, and Temperature Inversions sections of this label.

#### Controlling Droplet Size

- Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure - Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. **WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER- CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.**
- Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles.

#### BOOM HEIGHT

Setting the boom at the lowest referenced height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal bounce.

#### WIND

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. **AVOID APPLICATIONS DURING GUSTY OR WINDLESS CONDITIONS.**

Note: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

#### TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

#### TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

#### SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

## POLLINATOR ADVISORY STATEMENT

This product contains an herbicide, therefore follow all label directions and precautions to minimize potential off-target exposure in order to prevent effects to non-target plants adjacent to the treated site which may serve as habitat or forage for pollinators, including monarch butterflies (and larvae), birds, and bats.

## RESISTANCE MANAGEMENT

DEFINE™ DF Herbicide is a Group 15 Herbicide (inhibition of very long chain fatty acids). A given weed population may contain or develop resistance to a herbicide after repeated use. Appropriate resistance-management strategies should be followed to mitigate or delay resistance. The following Integrated Weed Management Techniques are effective in reducing problems with herbicide resistant weed biotypes. It is best to use multiple practices to manage or delay resistance, as no single strategy is likely to be totally effective.

- **Rotate crops.** Crop rotation diversifies weed management.
- **Rotate herbicide-tolerant traits.** Alternate herbicide-tolerant (HT) traits and/or use HT trait stacks for more efficient rotation.
- **Use multiple herbicide sites of action.** Use tankmix partners and multiple SOAs during both the growing season and from year to year to reduce the selection pressure of a single SOA.
- **Know your weeds, know your fields.** Closely monitor problematic areas with difficult-to-control weeds or dense weed populations. User should scout before and after application.
- **Start with clean fields.** Effective tillage or the use of a burndown herbicide program can control emerged weeds prior to planting.
- **Stay clean – use residual herbicides.** Regardless of tillage system, pre-emergence or early post-emergence soil-applied residual herbicides should be used when possible.
- **Apply herbicides correctly.** Ensure proper application, including timing, full use-rates and appropriate spray volumes.
- **Control weed escapes.** Consider spot herbicide applications, row wicking, cultivation or hand removal of weeds or other techniques to stop weed seed production and improve weed management.
- **Zero tolerance – reduce the seed bank. DO NOT** allow surviving weeds to set seed, which will help decrease weed populations from year to year and prevent major weed shifts.
- **Clean equipment.** Prevent the spread of herbicide-resistant weeds and their seeds.

Contact your local extension specialist, certified crop advisory and /or Bayer CropScience representative for additional resistance management or IPM recommendation. Also for more information on Weed Resistance Management, visit the Herbicide Resistance Action Committee (HRAC) on the web at <http://www.hracglobal.com>.

## RATE SELECTION/SOIL TEXTURE

The application rates of DEFINE™ DF Herbicide are defined by texture and organic matter content of the soil being treated. Unless a specific soil texture is mentioned, rate tables throughout this label refer to the following three soil texture groups: coarse, medium and fine. If you are not sure how to classify your soil, contact your Bayer CropScience representative, the Cooperative Extension Service or other knowledgeable person. The following chart includes a complete listing of soil textures included in each of the soil textures groupings:

COARSE	MEDIUM	FINE
Sand, Loamy sand, Sandy loam	Loam, Silt loam, Silt, Sandy clay loam, Sandy clay	Silty clay loam, Silty clay, Clay loam, Clay

## MIXING INSTRUCTIONS

### LIQUID CARRIERS:

DEFINE™ DF Herbicide is a dry flowable herbicide that must be mixed in water or sprayable fluid fertilizer. Compatibility of DEFINE™ or its labeled tank mix products with these liquid carriers should always be predetermined prior to spraying. Refer to the SPRAYABLE FLUID FERTILIZER COMPATIBILITY TEST (Appendix I) of this label to determine product compatibility in fluid fertilizer carriers.

Before mixing DEFINE™ DF Herbicide and its labeled tank mixtures, examine the spray equipment making sure it is completely clean and free of rust or corrosion. Be sure the equipment is free of any residues from previously used pesticides. Flush lines with clean water or recommended detergents after the last application. Use an approved method for disposing of rinsate.

For optimum spray tank mixing and efficacy, DEFINE™ DF Herbicide is recommended to be added to the spray tank via an eductor system.

The proper mixing sequence for DEFINE™ DF Herbicide and recommended tank mixtures with the appropriate liquid carrier is as follows:

1. Fill the spray tank or nurse tank 1/4 full with the appropriate liquid carrier.
2. Start recirculation and agitation system and continue throughout mixing and application.
3. If the compatibility test indicates the need of a compatibility agent, add the recommended amount of compatibility agent to the spray tank.
4. If ammonium sulfate is to be used, add it now.



5. Next add the specified quantity of DEFINE™ DF Herbicide through the eductor or to the spray tank [slowly add DEFINE™ if water or sprayable grade nitrogen fertilizers (28-0-0, 32-0-0) are the carriers; for other sprayable grade fertilizers first check compatibility and then either mix directly or preslurry in water depending in the results of the compatibility test].
6. If tank mixing with wettable powders or other dry flowable products in water, they may be added now.  
If tank mixing these products in a sprayable fertilizer carrier, first make a slurry of the products with water and then add the slurry slowly to the spray tank.
7. If tank mixing with emulsifiable concentrates or soluble products, add the products to the spray tank.
8. If tank mixing with a glyphosate- containing product or Touchdown®, add the products to the spray tank.
9. If mixing spray adjuvants in the mixture, add them after all other products have been mixed.
10. Fill the spray tank to the desired level with the appropriate liquid carrier.
11. Continue agitation during transport and application until the spray tank is empty.

DEFINE™ DF Herbicide and all registered mixtures should be kept agitated once mixed and then sprayed immediately. **DO NOT** allow mixtures to stand for prolonged periods of time. Water quality, pH, temperature and/or other components of the mixture may affect how long the mixture may stand before application.

## APPLICATION INFORMATION

### SPRAYER APPLICATION

**Ground Broadcast Treatment:** Accurately calibrate the sprayer prior to mixing the herbicide treatments. Apply DEFINE™ DF Herbicide and the labeled tank mixtures in a minimum of 10 gallons of total spray volume per acre using broadcast boom equipment. Use a pump with capacity to maintain 30 to 40 psi at the nozzles, maintain adequate in-tank agitation to keep the spray mixture in suspension and provide a minimum of 20% bypass at all times. If mixed with other labeled herbicides, the spray volume may be no less than the minimum volume specified by the tank mix product or 10 gallons, whichever is greater. The use of screens to protect the pump and nozzles is recommended. Screens placed on the suction side of the pump should be 16-mesh or coarser. **DO NOT** place a screen in the recirculation line. Use 50-mesh or coarser screens between the pump and boom, and where required, at the nozzles. Refer to the nozzle manufacturer for additional recommendations. Agitate thoroughly before and during application with either bypass or mechanical agitation. Rinse the sprayer thoroughly with clean water immediately after each use.

**Band Treatment:** DEFINE™ DF Herbicide and the labeled tank mixtures may be applied as a band treatment. Use the following formula to calculate the amount of herbicide needed for band treatments:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \frac{\text{Broadcast rate}}{\text{per acre}} = \frac{\text{Band rate}}{\text{per acre}}$$

### APPLICATION METHODS AND TIMING

DEFINE™ DF Herbicide may be applied either alone or in tank mixtures with or sequentially with certain other registered and recommended herbicides provided that, for tank mixes, the tank mix product label does not prohibit such mixing. Applications may be made preplant surface, preplant incorporated or preemergence. DEFINE™ may be used in either a single or split application program.

**Preplant Surface:** For use in conservation, minimum or no- tillage crop production systems, DEFINE™ DF Herbicide alone or as a recommended tank mixture may be applied as a broadcast spray up to 45 days before planting in corn and 14 days before planting in soybeans. A sequential application is recommended for applications made 30 to 45 days prior to planting, where 2/3 of the highest specified broadcast rate for the crop and soil texture is applied initially and the remaining 1/3 is applied at planting. Treatments made less than 30 days before planting may use either a single or sequential application. If weeds are present at the time of application, apply the DEFINE™ DF Herbicide treatment in tank mixture with a recommended nonselective herbicide. If possible, **DO NOT** move treated soil out of the row or move untreated soil to the soil surface during planting, as weed control may be reduced.

**Preplant Incorporation:** Apply DEFINE™ DF Herbicide alone or in combination with recommended tank mixes as a broadcast spray and incorporate into the upper 1 to 2 inches of the soil surface up to 14 days before planting. Avoid deep incorporation since reduced weed control and/or crop injury may result. Incorporate with implements which provide uniform, shallow incorporation (example - finishing disk, harrow, rolling cultivator, etc.)

**Preemergence:** DEFINE™ DF Herbicide alone and its recommended tank mixes may be applied to the soil surface as a broadcast spray or band application after planting of the crop but prior to weed or crop emergence. If weeds are present at the time of application, apply DEFINE™ with a nonselective herbicide. Rainfall and/or overhead sprinkler irrigation is necessary to move DEFINE™ into the upper soil surface where weed seeds germinate. Dry weather conditions following application may reduce weed control. If adequate moisture is not received within 7 to 10 days after applications and weeds begin to emerge from the soil, a light rotary hoeing or shallow incorporation (no deeper than 1/2 inch deep) will improve performance and minimize crop damage. Excessive rainfall or irrigation after application may reduce weed control.

**Early Postemergence:** When used as an early postemergence treatment, DEFINE™ DF Herbicide may be applied once per year alone or in combination with or sequentially with certain herbicides. Use of an adjuvant is recommended in some applications. Refer to crop sections of the label for specific information.

**Special Applications: Fall Application** (for use only in IA, MN, ND, SD, WI, north of Route 20 in NE, north of Route 136 in IL, and north of Interstate 70 in OH):



Following harvest of crops in the fall, DEFINE™ DF Herbicide may be applied to crop stubble after October 15, when the sustained soil temperature at the four-inch soil depth is less than 50 oF, but before the ground is frozen. This application is limited to only medium- and fine-textured soils with an organic matter of 2.5% or greater and which will be planted to corn the following spring. The soil may be tilled before or after application with incorporation depth no more than two to three inches following herbicide application. If a spring application of DEFINE™ DF Herbicide follows the fall application, the total DEFINE™ rate for both applications must not exceed 21 ounces.

## **CORN**

### **(Field, Seed, and Sweet Corn)**

DEFINE™ dry flowable herbicide is a selective herbicide for control of most annual grasses and selected annual broadleaf weeds in corn. A maximum of two applications may be made alone or in tank-mix combination with certain registered herbicides. The following types of applications are allowed: preplant surface, preplant incorporated, preemergence and early postemergence. Most effective weed control will occur when the applied product is moved into the soil by rainfall, sprinkler irrigation or mechanical tillage prior to weed emergence from the soil.

For pre-emergent use in corn: The REI is 12 hours. For post-emergent use in corn: The REI is 4 days for hand-set irrigation and 24 hours for all other activities.

**Special Precautions ( Field Seed Corn Inbreds):** Field seed corn inbred lines and sweet corn varieties may vary in their response to DEFINE™ DF Herbicide. **DO NOT** apply DEFINE™ to inbreds without first verifying with your local seed corn company (supplier) the DEFINE™ selectivity on your inbred line.

#### **WEED SPECIES CONTROLLED BY DEFINE™ DF HERBICIDE**

DEFINE™ DF Herbicide applied at specified dosages and application timings will control many important annual grasses and broadleaf weeds.

WEEDS CONTROLLED			
ANNUAL GRASS WEEDS			
Barnyardgrass ( <i>Echinochloa crusgalli</i> )	Foxtail, giant ( <i>Setaria faberi</i> ) Foxtail, green ( <i>Setaria viridis</i> )	Johnsongrass (seedling) ( <i>Sorghum halepense</i> )	Panicum, fall ( <i>Panicum dichotomiflorum</i> )
Crabgrass, large ( <i>Digitaria sanguinalis</i> )	Foxtail, yellow ( <i>Setaria glauca</i> )	Lovegrass, India ( <i>Eragrostis sp</i> )	Signalgrass, broadleaf ( <i>Brachiaria platyphylla</i> )
Crabgrass, smooth ( <i>Digitaria ischaemum</i> )	Goosegrass ( <i>Eleusine indica</i> )	Panicum, browntop ( <i>Panicum fasciculatum</i> )	Witchgrass ( <i>Panicum capillare</i> )
ANNUAL BROADLEAF WEEDS			
Carpetweed ( <i>Mullugo verticillata</i> )	Purslane, common ( <i>Portulaca oleracea</i> )	Pusley, Florida ( <i>Richardia scabra</i> )	Spurge, spotted ( <i>Euphorbia maculata</i> )

### WEED SPECIES PARTIALLY CONTROLLED BY DEFINE™ DF HERBICIDE

DEFINE™ DF Herbicide will provide partial control or reduced competition for many additional grass and broadleaf weeds. Reduced competition weeds will be stunted in growth and/or be of reduced populations as compared to non-treated areas but control will generally not be commercially acceptable.

WEED SPECIES PARTIALLY CONTROLLED			
ANNUAL GRASS/SEDGE WEEDS			
Cupgrass, woolly ( <i>Eriochloa villosa</i> )	Nutsedge, yellow ( <i>Cyperus esculentus</i> )	Sandbur, field ( <i>Cenchrus incertus</i> )	Shattercane ( <i>Sorghum bicolor</i> )
Millet, wild-proso ( <i>Panicum miliaceum</i> )	Panicum, Texas ( <i>Panicum texanum</i> )		
ANNUAL BROADLEAF WEEDS			
Beggarweed, Florida ( <i>Desmodium tortuosum</i> )	Nightshade, eastern black ( <i>Solanum ptycanthum</i> )	Ragweed, common ( <i>Ambrosia artemisiifolia</i> )	Waterhemp, common ( <i>Amaranthus rudis</i> )
Lambsquarters, spp. ( <i>Chenopodium spp.</i> )	Pigweed spp. ( <i>Amaranthus spp.</i> )	Sida, prickly ( <i>Sida spinosa</i> )	Waterhemp, tall ( <i>Amaranthus tuberculatus</i> )
Mustard spp. ( <i>Brassica spp.</i> )			

### DEFINE™ DF HERBICIDE USE RATES IN PREPLANT SURFACE, PREPLANT INCORPORATED, PREEMERGENCE AND EARLY POSTEMERGENCE APPLICATIONS

**For FALL Application ( For use only in IA, MN, ND, SD, WI, north of Route 20 in NE, north of Route 136 in IL, and north of Interstate 70 in OH):**

After October 15, when the sustained soil temperature at the four inch soil depth is less than 50 oF, DEFINE™ DF Herbicide may be applied to remaining crop stubble following harvest. In conservation, minimum and no-tillage systems on soils having 2.5% organic matter or greater, apply DEFINE™ at 19 to 21 oz/A on *medium textured soils* and 21 oz/A on *fine textured soils*. Apply before the ground is frozen. The soil may be tilled before or after application with an incorporation depth no more than two to three inches following the fall application. Minimize furrow and ridge formation in the tillage operations after application of DEFINE™. If a spring application is made, the total rate of both fall and spring must not exceed the maximum total rate for corn, or illegal residues may occur.

**For CONVENTIONAL Tillage Systems With Applications Made TWO WEEKS OR LESS Preplant Surface, Preplant Incorporated or Preemergence:**

DEFINE™ DF Herbicide use rates are located in Table 1.

Rates are based on soil texture and organic matter and are for applications made within two weeks of planting and until corn emergence. **DO NOT** use on peat or muck soils (soils with 20% or more organic matter).

**TABLE 1**

<b>DEFINE™ DF HERBICIDE USE RATES IN CONVENTIONAL TILLAGE APPLICATIONS MADE TWO WEEKS OR LESS PREPLANT SURFACE, PREPLANT INCORPORATED OR PREEMERGENCE.</b> <b>DEFINE™ DF HERBICIDE RATE (OUNCES PER ACRE).<sup>1</sup></b>		
<b>SOIL TEXTURAL GROUP<sup>2</sup></b>	<b>SOIL ORGANIC MATTER CONTENT</b>	
	<b>Less than 3%</b>	<b>3% or More</b>
COARSE	12 oz	14 oz
MEDIUM	14 to 16 oz	16 to 18 oz
FINE	18 to 20 oz	18 to 21 oz

<sup>1</sup> Use the higher rate of DEFINE™ DF Herbicide within the applicable rate range under any of the following conditions: heavy surface plant residues, heavy weed pressure and/or when soil organic matter is at the upper end of the range.

<sup>2</sup> For more information, refer to the "Rate Selection/Soil Texture" section of this label.

**For CONSERVATION, MINIMUM, and NO-TILLAGE Systems; or CONVENTIONAL Tillage Systems With Applications GREATER THAN TWO WEEKS Preplant:**

DEFINE™ DF Herbicide use rates are located in Table 2. Rates are higher for these types of tillage systems and application timings than in Table 1 due to the extended period of weed control needed and the increased crop residue present. Refer to the "Application Methods and Timing" section of the label for details. Weed control will generally be greater the closer the applications are made to planting but prior to weed emergence. If weeds are present at application, a nonselective herbicide such as a glyphosate-containing product or Touchdown used at specified rates may be mixed with DEFINE™ DF Herbicide treatments. **DO NOT** use on peat or muck soils (soils with 20% or more organic matter).

**TABLE 2**

<b>DEFINE™ DF HERBICIDE USE RATES IN CONSERVATION, MINIMUM, AND NO-TILLAGE SYSTEMS; OR CONVENTIONAL TILLAGE SYSTEMS WITH APPLICATIONS GREATER THAN TWO WEEKS PREPLANT SURFACE AND EARLY POSTEMERGENCE.</b> <b>DEFINE™ DF HERBICIDE RATES (OUNCES PER ACRE).<sup>1</sup></b>		
<b>SOIL TEXTURAL GROUP<sup>2</sup></b>	<b>SOIL ORGANIC MATTER CONTENT</b>	
	<b>Less than 3%</b>	<b>3% or More</b>
COARSE	13 oz	15 oz
MEDIUM	16 to 18 oz	18 to 20 oz
FINE	20 to 21 oz	20 to 21 oz

<sup>1</sup> Use the higher rate of DEFINE™ DF Herbicide within the applicable rate range under any of the following conditions: heavy surface plant residues, heavy weed pressure an/or when soil organic matter is at the upper end of the range.

<sup>2</sup> For more information, refer to the "Rate Selection/Soil Texture" section of this label.

**FOR EARLY POSTEMERGENCE APPLICATIONS:**

DEFINE™ DF Herbicide use rates are located in Table 1.

DEFINE™ DF Herbicide alone and/or certain DEFINE™ tank mixtures may be applied to corn from emergence through the 5<sup>th</sup> leaf collar growth stage. Begin leaf count with the first leaf (rounded tip). DEFINE™ alone will not provide control of emerged weeds. For control of emerged weeds, DEFINE™ may be tank mixed with approved postemergence herbicides. Read and follow all precautions/restrictions and directions on tank mix partner labels.

Corn treated with DEFINE™ DF Herbicide early postemergence may be harvested for forage (silage) 75 days or more after treatment.

**Adjuvants for early postemergence:**

The adjuvant types listed below may be utilized with DEFINE™ DF Herbicide.

UAN (urea ammonium nitrate) is commonly referred to as 28, 30, or 32%N. UAN can be used as an adjuvant in certain herbicide tank mixtures with DEFINE™, or as a spray carrier for DEFINE™. Fluid fertilizers applied after crop emergence can result in crop tissue "burn" symptoms. Using fluid fertilizer as a postemergence spray carrier to apply DEFINE™ is not recommended if fluid fertilizer burn is not considered acceptable.

Ammonium sulfate (spray grade) is recommended as an alternative to UAN as a spray solution adjuvant with certain tank mixture partners.

When tank mixing DEFINE™ DF Herbicide with other herbicides be certain to select adjuvants recommended and compatible for use with all herbicides included in the tank mixture.

## DEFINE™ DF HERBICIDE TANK MIXTURES

DEFINE™ DF Herbicide may be applied in tank mixture with certain herbicides to improve control of broadleaf weeds such as velvetleaf, common cocklebur and morningglory species. Mixtures may be used in either conventional, conservation, minimum and no-tillage systems. They may be applied with similar timings and methods as DEFINE™ DF Herbicide alone unless specifically prohibited in the mix partner's product label. Three-way or multiple tank mixtures are permitted unless restricted by the product label. **Refer to the individual product labels for use rates, precautions and/or restrictions.**

Herbicides recommended for tank mixtures with DEFINE™ DF Herbicide include:

Atrazine	Glyphosate	Python®	Roundup Ultra®
Balance®	Hornet®	Marksman®	2,4-D
Banvel®	Prowl®	Eradicane®	Sencor®
Clarity®		Roundup®	Touchdown®

## DEFINE™ DF HERBICIDE SEQUENTIAL APPLICATIONS

Sequential herbicide applications either before or following DEFINE™ treatments may be used to control additional weeds. Herbicides recommended for sequential applications include:

Atrazine	Bromoxynil	Hornet®	Python®
Accent®	Bromoxynil +Atrazine	Liberty®	Resolve®
Aim®	Buctril®	Lightning®	Resource®
Balance®	Buctril + Atrazine®	Marksman®	Roundup®
Banvel®	Buctril Gel®	Permit®	Roundup Ultra®
Basagran®	Clarity®	Poast®	Scorpion III®
Basis®	Exceed®	Prowl®	Sencor®
Battalion®	Glyphosate	Pursuit®	Touchdown®
Beacon®			2,4-D

## SOYBEAN

DEFINE™ DF Herbicide is a selective herbicide for control/suppression of most annual grasses in soybeans. DEFINE™ DF Herbicide may be applied once per year either alone, in tank mix combination with or sequentially with certain registered herbicides. The following types of application are allowed: preplant surface, preplant incorporated and preemergence. The preplant surface and preplant incorporated treatments may be applied up to 14 days before planting. The most effective weed control will occur when the applied product is moved into the soil by rainfall, sprinkler irrigation or mechanical tillage prior to weed emergence from the soil.

**DO NOT** graze or feed forage, hay or straw to livestock.

For pre-emergent use in soybeans: The REI is 12 hours. For post-emergent use in soybeans: The REI is 2 days.

## WEED SPECIES CONTROLLED BY DEFINE™ DF HERBICIDE

DEFINE™ DF Herbicide applied alone at the specified dosages and application timings will provide control of certain annual grasses.

WEEDS CONTROLLED <sup>1</sup>			
ANNUAL GRASS WEEDS			
Barnyardgrass ( <i>Echinochloa crusgalli</i> )	Foxtail, giant ( <i>Setaria faberi</i> )	Foxtail, yellow ( <i>Setaria glauca</i> )	Lovegrass, India ( <i>Eragrostis sp</i> )
Crabgrass, large ( <i>Digitaria sanguinalis</i> )	Foxtail, green ( <i>Setaria viridis</i> )	Goosegrass ( <i>Eleusine indica</i> )	Panicum, fall ( <i>Panicum dichotomiflorum</i> )
Crabgrass, smooth ( <i>Digitaria ischaemum</i> )			

<sup>1</sup> Full season weed control will be achieved only on coarse textured soils using the maximum 12 ounce use rate. Use rates of 7 to 12 ounces will provide **only** early season weed control on all other soil textures. To complement early season weed control, DEFINE™ is recommended for use in tank-mixture with or sequentially with other herbicides that provide additional control of these weed species.

## WEED SPECIES PARTIALLY CONTROLLED BY DEFINE™ DF HERBICIDE

DEFINE™ DF Herbicide will provide partial control or reduced competition for additional annual grasses. Reduced competition weeds will be stunted in growth and/or be of reduced populations as compared to non-treated areas but control will generally not be commercially acceptable.

WEED SPECIES PARTIALLY CONTROLLED ANNUAL GRASS WEEDS			
Johnsongrass, seedling ( <i>Sorghum halepense</i> )	Sandbur, field ( <i>Cenchrus incertus</i> )	Shattercane ( <i>Sorghum bicolor</i> )	Witchgrass ( <i>Panicum capillare</i> )
Panicum, browntop ( <i>Panicum fasciculatum</i> )	Signalgrass, broadleaf ( <i>Brachiaria platyphylla</i> )		

## DEFINE™ DF HERBICIDE USE RATES

The use rates for DEFINE™ applied alone, in tank mix combination with and/or sequentially with other herbicides for all application methods and timings is **7 to 12 ounces** per acre. The 12 ounce rate of DEFINE™ will provide full season control of annual grasses in coarse textured soils but will provide only early season weed control on medium and fine textured soils. Rates lower than 12 ounces will provide **only** early season weed control on all soil textures. To complement this early season weed control, DEFINE™ should be used in tank-mixture or sequentially with other herbicides that provide additional control of these weed species.

## DEFINE™ DF HERBICIDE TANK MIXTURES

DEFINE™ DF Herbicide may be applied in tank mixture with certain herbicides to improve control of annual grasses and/or broadleaf weeds such as velvetleaf, common cocklebur and morningglory species. Mixtures may be used in either conventional, conservation, minimum and no-tillage systems. They may be applied with similar timings and methods as DEFINE™ alone unless specifically prohibited in the mix partner product label. Three-way or multiple tank mixtures are permitted unless restricted by the mix partner product labels. Refer to the individual product labels for use rates, precautions and/or restrictions. Herbicides recommended for tank mixtures with DEFINE™ include:

Authority Broadleaf®	Glyphosate	Pursuit®	Sonolan HFP®
Canopy®	Linuron (Lorox® and others)	Roundup®	Touchdown®
Canopy XL®	Prowl®	Roundup Ultra®	Trifluralin
Chlorimuron-ethyl DF		Scepter®	2,4-D LVE
Command®		Sencor® (Metribuzin)	
FirstRate®			

## DEFINE™ DF HERBICIDE SEQUENTIAL APPLICATIONS

Sequential herbicide applications may be used in a DEFINE™ weed control program to control additional weeds. Herbicides recommended for use either before or following DEFINE™ treatments include:

Assure II®	Fusilade®	Poast®	Scepter®
Basagran®	Fusion®	Poast Plus®	Select®
Canopy®	Galaxy®	Prowl®	Sencor®
Classic®	Glyphosate	Pursuit®	Sonolan HFP®
Cobra®	Liberty®	Raptor®	Storm®
Command®	Linuron	Reflex®	Synchrony STS®
Concert®	Option II®	Reliance STS®	Touchdown®
FirstRate®	Pinnacle®	Resource®	Trifluralin
Flexstar®		Roundup®	2,4-D
		Roundup Ultra®	

Refer to the above information and the individual product labels for use directions, use rates and special precautions/restrictions.

## CORN AND SOYBEAN CROP ROTATION INSTRUCTIONS

In the event of a crop failure any crop on this label can be replanted immediately. **DO NOT** make a second application of DEFINE™ DF Herbicide. **DO NOT** graze or feed to livestock the forage or fodder of cotton planted 5 months after an DEFINE™ application.

**Waiting period after DEFINE™ DF Herbicide application before the following crops can be planted.**

<b>Immediately</b>			
Corn	Soybean		
<b>1 month</b>			
Potato			
<b>4 months</b>			
Cabbage	Cotton	Peppers	Sugar beets
Carrots	Lettuce	Radish	All other leafy vegetables
<b>12 months</b>			
Alfalfa	Buckwheat	Oats	Teosinte
Barley	Clover	Popcorn	Triticale
Bermudagrass	Fescue	Rice	Wheat
Bluegrass	Millet, pearl	Rye	Wild Rice
Bromegrass	Millet, prose	Sorghum	All other crops

## APPENDIX I

### SPRAYABLE FLUID FERTILIZER COMPATIBILITY TEST

A compatibility test is highly recommended for all applications with liquid fertilizers. Prior to mixing products in the spray tank, small quantities of each product can be mixed in proportionate quantities to evaluate compatibilities. The following test assumes a spray volume of 25 gallons per acre. If other spray volumes are to be used, adjust the appropriate amounts of ingredients. To check for compatibility, use the following procedure:

1. Add two inches of the liquid carrier (water or liquid fertilizer) to a one-quart jar fitted with a tight lid.
2. Add the appropriate amount of herbicide. If more than one product is used, the recommended mix sequence is the dry herbicide first, flowables next and emulsified concentrates last. For dry herbicides, add 1-1/2 level teaspoons/pound/acre use rate and for liquids add 1/2 teaspoon/pint/acre use rate.
3. Add one pint of the liquid carrier (water or liquid fertilizer) to the jar. Place the lid on the jar and gently shake the jar for one minute. Place the jar on a level surface and let it stand for 30 minutes.
4. Reagitate the mixture and observe the mixture for signs of phase separation, flakes, particles, gels, precipitates, etc. If none of these conditions occur, the mix is compatible.
5. If incompatible, use of a compatibility agent is recommended. Rerun the above test but first add a compatibility agent (1/4 teaspoon is equal to a use rate of 2 pints/100 gallons spray mix) and gently shake the jar prior to adding herbicides.
6. If the mixture is now compatible, a compatibility agent should be used in the spray mixture at its recommended rate.
7. If the components of the solution are still incompatible, the mixture should not be attempted for use in the spray tank.
8. Contact your Bayer CropScience representative for further recommendations on testing spray solution compatibilities.



## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. **DO NOT** walk through spilled material. Dispose of pesticide as directed below. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer CropScience Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer CropScience Emergency Response Telephone No. is 1-800-334-7577.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:**

### **[Non-Seed Treatment Products in Non-Refillable Containers]**

#### **Rigid, Non-refillable containers (equal to or less than 5 gallons)**

Non-refillable container. **DO NOT** reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

#### **Rigid Non-refillable Containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs)**

Non-refillable container. **DO NOT** reuse or refill this container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows.

#### **Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)**

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs)

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

#### **Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, and Kegs)**

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

#### **Non-Seed Treatment Products in Non-Refillable Fiber Drums with Liners**

Non-refillable container. **DO NOT** reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then offer for recycling if available or dispose of in a sanitary landfill or by incineration. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

#### **Non-Seed Treatment Products in Non-Rigid, Non-refillable Containers**

Nonrefillable container. **DO NOT** reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

**[Non-Seed Treatment Products in Refillable Containers]**

Refillable container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Contact your Ag retailer or Bayer CropScience for container return, disposal and recycling information.

**Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)**

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

**Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs)**

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To triple rinse the containers before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

End users are authorized to remove tamper-evident cables as required to remove the product from the container unless the container is equipped with one-way valves and refilling or returning is planned. If this is the case, end-users are not authorized to remove tamper-evident cables, remove one-way valves, or clean container.

## IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the 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 the manner of use or application, all of which are beyond the control of Bayer CropScience. All such risks shall be assumed by the user or buyer.

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Produced for



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