

66330-46

011512009

1/22



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. M. Sam Bondurant
Regulatory Manager
Arysta LifeSciences North America LLC
Cary, NC 27513

JAN 15 2009

Subject: Label Notification for Pesticide Registration Notice 2007-4

Dear Ms. Bondurant,

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated July 22, 2008 for the product Amicarbazone DF Herbicide (EPA Registration Number 66330-46). The Registration Division (RD) has conducted its review of this request for its applicability under PRN 2007-4 and finds that the label changes requested fall within the scope of PRN 2007-4. The label submitted with the application has been stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please call me directly at 703-305-6249 or Steve Schaible of my staff at 703-308-9362.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs



Arysta LifeScience

Via FedEx TRK# 7919 3245 9831

July 22, 2008

Ms. JoAnne Miller, PM-23
Document Processing Desk (NOTIF)
Office of Pesticide Program (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Dear Ms. Miller:

**Subject: Arysta EPA Reg. No. 66330-46,
Amicarbazone DF Herbicide
Notification of Label Changes per PR Notice 2007-4**

Enclosed are the following documents in support of the notification of label changes to the Arysta LifeScience North America LLC, Reg. No. 66330-46:

1. EPA Form 8570-1 – Per PR Notice 2007-4 revision of Storage and Disposal statements.
2. 1 – Redline copy of the Amicarbazone DF Herbicide label showing the above listed changes
3. 1 – Clean copy of the Amicarbazone DF Herbicide label.

Please contact me by phone (901) 432-5116 or by email at sam.bondurant@arystalifescience.com if you have any questions or require additional information.

Best regards,

A handwritten signature in black ink that reads "M. Sam Bondurant".

M. 'Sam' Bondurant
Regulatory Manager

4/22

Amicarbazone DF Herbicide

For broadleaf and other weed control in field corn and corn grown for silage

INGREDIENTS:	By Wt.
ACTIVE INGREDIENT:	
Amicarbazone:	
4-amino-4,5-dihydro-N-(1,1-dimethylethyl)-3-(1-methylethyl)-5-oxo-1H-1,2,4-triazole-1-carboxamide.....	70%
OTHER	
INGREDIENTS	<u>30%</u>
Total	100%

EPA Reg. No. 66330- 46
EPA Est. No. _____

Net Weight: ____ Pounds

Manufactured For:
Aryta LifeScience North America, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513

NOTIFICATION
JAN 15 2009

Read the label before use

KEEP OUT OF REACH OF CHILDREN
CAUTION

SEE BACK PANEL FOR ADDITIONAL FIRST AID AND PRECAUTIONARY INFORMATION

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with warm water for 15 – 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.

5/22

Note to physician: No specific antidote is available. Treat the patient symptomatically.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE:
CALL 1-866-303-6952. Outside of U.S. call 1-651-632-8946

FOR 24-HOUR CHEMICAL EMERGENCY (Spill, Leak, Fire or Accident) ASSISTANCE:
CALL CHEMTREC 1-800-424-9300. Outside of U.S. call 1-703-527-3887

For Product Information call: 1-866-761-9397

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Causes moderate eye irritation. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Avoid contact with eyes or clothing. Wear: Long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves made of waterproof material (such as Natural Rubber, Selection Category A).

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

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

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- 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.

6/22

ENVIRONMENTAL HAZARDS

GROUND WATER ADVISORY

This chemical has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

Amicarbazone and its major degradates are known to leach through soil into ground water under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

SURFACE WATER LABEL ADVISORIES

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to product runoff that contains this product. 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 for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur with 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

Drift or runoff may adversely affect non-target plants. Do not contaminate water when disposing of equipment washwaters. Do not use the same spray equipment for other purposes unless thoroughly cleaned. Do not allow sprays to drift onto adjacent desirable plants. Amicarbazone has properties which may result in ground water contamination. Use of Amicarbazone DF Herbicide in areas where soils are permeable and groundwater is near the surface should be avoided. To prevent damage to crops and other desirable plants, read and follow all directions and precautions on this label before using.

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

7/22

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.

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. Do not use on other crops grown for food or forage. 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 this label about personal protective equipment (PPE) and restricted-entry interval. 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 worker entry into treated areas during the restricted entry interval (REI) of 12 hours following application.

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:

- Long sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

IMPORTANT

Read these entire Directions and Conditions of Sale before using Amicarbazone DF Herbicide.

GENERAL INFORMATION

Amicarbazone DF Herbicide is a selective herbicide for control of important annual broadleaf weeds in field corn and corn grown for silage. Amicarbazone DF Herbicide is formulated as a 70 % dry flowable (DF) herbicide. Amicarbazone DF Herbicide is for use in either conventional, conservation or no-tillage crop management systems and is for application to preplant surface, for preplant incorporation (mixed into the top 1 to 2 inch layer of soil), pre-emergence and post-emergence. Amicarbazone DF Herbicide 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. Amicarbazone DF Herbicide's mode of action is inhibition of photosynthesis at photosystem II.

Apply Amicarbazone DF Herbicide using either water or sprayable grade fluid fertilizer as a liquid carrier, or by impregnating on dry bulk fertilizer.

Apply Amicarbazone DF Herbicide either alone, in tank mix combinations with, or sequentially prior to or after additional herbicides. When tank mixing, always observe all precautionary statements and limitations on labeling of all products.

GENERAL USE RESTRICTIONS

Labeled crops

Amicarbazone DF Herbicide is intended for use on field corn or corn grown for silage. Do not use on popcorn, sweetcorn, high oil corn hybrids or corn grown for seed.

Planting depth

Corn seed should be planted a minimum of 1-1/2 inches deep and must be completely covered with soil or reduced crop stand or injury may occur.

9/22

Application

For use on medium and fine textured soil types only. Apply Amicarbazone DF Herbicide only with ground equipment. Do not apply this product using aerial application equipment. Do not apply this product through any type of irrigation system nor use flood irrigation for activation or incorporation.

Do not use Amicarbazone DF Herbicide on coarse-textured soils. If soil pH is > 7.4, the use of Amicarbazone DF Herbicide is not recommended. Do not apply more than 10.25 oz per acre of Amicarbazone DF Herbicide per season. Do not apply more than one application per season.

Effect of variable soils on use rate

The proper use rate of Amicarbazone DF Herbicide is affected by several soil factors, including soil texture, organic matter and soil pH. Soils which contain variations in one or more of these factors in a given area are termed variable soils and may be more likely to incur localized corn injury symptoms from an application of Amicarbazone DF Herbicide especially in those localized areas containing a more coarse soil texture, a lower organic matter and / or a higher pH (alkaline / calcareous) soil than other areas of the same field. The user is responsible for selecting the rate of Amicarbazone DF Herbicide that is appropriate for all soils in the area of application.

Spray overlaps produce areas of overapplication which may increase the potential for crop damage.

Effect of adverse weather

Following an application of Amicarbazone DF Herbicide extended periods of cool/cold, wet conditions (cool/cold daytime/nighttime temperatures, periods of high rainfall, etc.) during corn seed germination and/or early crop development period may result in temporary crop injury.

In the event of crop failure

If the corn crop treated with Amicarbazone DF Herbicide is lost, only corn may be replanted immediately. Do not apply more than 10.25 oz per acre of Amicarbazone DF Herbicide per season.

RESISTANCE MANAGEMENT

Amicarbazone DF Herbicide is an actolactate synthase (ALS) inhibiting herbicide. Any weed population may contain or develop plants naturally resistant to a herbicidal mode of action. Resistant biotypes may eventually dominate the weed population if herbicides with an identical mode of action are used repeatedly in the same field and weed control may fail. Where

10/22

possible, rotate the use of Amicarbazone DF Herbicide with herbicides that have a different mode of action.

Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. The use of Amicarbazone DF Herbicide should conform to resistance management strategies established for the use area. Consult your agricultural advisor for resistance management strategies and recommended pest management practices for your area.

MIXING INSTRUCTIONS

LIQUID CARRIERS

Amicarbazone DF Herbicide is a dry flowable herbicide that must be mixed in water or sprayable fluid fertilizer. Amicarbazone DF Herbicide can be directly added to water, or to 28-0-0 or 32-0-0 liquid fertilizers. Compatibility of Amicarbazone DF Herbicide with its labeled tank mix products in other 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 carriers.

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

The proper mixing sequence for Amicarbazone 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 the recirculation and agitation system and continue throughout mixing and application.
3. If the compatibility test indicates the need for a compatibility agent, add the recommended amount to the spray tank.
4. If ammonium sulfate is to be used, add it now.
5. Add the recommended quantity of Amicarbazone DF Herbicide to the spray tank [slowly add Amicarbazone DF Herbicide 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 first in water depending on the results of the compatibility test].
6. If tank mixing with wettable powders or other dry flowable products in water as the carrier, these may be added now. If tank-mixing these products in a sprayable grade fertilizer carrier, first preslurry these products with water and then slowly add them to the sprayable grade fertilizer carrier.

17/22

7. If tank mixing with suspension concentrates, add the products to the spray tank.
8. If tank mixing with emulsifiable concentrates or soluble products, add the products to the spray tank.
9. If tank mixing with Gramoxone Extra[®], a glyphosate containing product, Touchdown[®], or other soluble concentrates, add the products to the spray tank.
10. If mixing any additional spray adjuvants in the mixture, add them after all other products have been mixed.
11. Fill the spray tank to the desired level with the appropriate liquid carrier.
12. Continue agitation during transport and application until the spray tank is empty.

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

DRY FERTILIZER CARRIERS

Impregnate or coat Amicarbazone DF Herbicide on dry bulk fertilizers before application. Refer to Appendix II of this label for details.

Sprayer Cleanup

To avoid injury or exposure to non-target crops, thoroughly clean all mixing and spray equipment, including pumps, nozzles, lines and screens with a good quality tank cleaner, on an approved rinse pad or on a field site where an approved crop is grown.

APPLICATION INFORMATION

SPRAYER APPLICATION

Ground Broadcast Treatment

Accurately calibrate the sprayer prior to mixing the herbicide treatments. Apply Amicarbazone DF Herbicide and the labeled tank mixtures in a minimum of 10 gallons of total spray volume per acre using broadcast boom equipment. Application must be made at a sufficient spray pressure and volume to provide accurate and uniform application of spray particles to a given area without causing spray drift to non-target areas. If mixed with other labeled herbicides, the spray volume may be no less than the minimum volume recommended by any tank mix product used or 10 gallons, whichever is greater. Use appropriately sized mesh screens and in-line strainers. Agitate thoroughly before and during application with either bypass or mechanical

12/22

agitation. Rinse the sprayer thoroughly with clean water immediately after each use.

APPLICATION METHODS AND TIMINGS

Apply Amicarbazone DF Herbicide either alone or in recommended tank mixtures in conventional, conservation or no-till crop management systems as a preplant surface, preplant incorporated, pre-emergence or post-emergence application. Do not apply when environmental conditions favor drift.

Early post-emergence application may not be made if pre-emergence applications have been made in the spring.

For season long broad spectrum weed control Amicarbazone DF Herbicide is recommended to be tank mixed or used in sequence with a grass herbicide.

Preplant Surface

Apply Amicarbazone DF Herbicide alone or as a recommended tank mixture as a broadcast spray before planting corn. Amicarbazone DF Herbicide applications made greater than 15 days prior to planting require an appropriate sequential herbicide application to maintain commercially acceptable weed control throughout the season. If possible, do not move treated soil out of the row or move untreated soil to the soil surface during planting, since weed control may be reduced.

Preplant Incorporation

Apply Amicarbazone 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. 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, field cultivator, etc.)

Preemergence

Apply Amicarbazone DF Herbicide alone or in recommended tank mixes to the soil surface during planting (behind the planter after furrow closure) or after planting of the crop but prior to weed or crop emergence. Ensure that the seed furrow is closed prior to herbicide application or crop injury may result. Rainfall and/or overhead sprinkler irrigation is necessary to move Amicarbazone DF Herbicide 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 application 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. Excessive rainfall or irrigation after application may reduce weed control and / or increase crop damage.

13/22

Early Post-emergence

Tank-mix Amicarbazone DF Herbicide with various recommended herbicides to enhance control of broadleaf weeds when applied early post-emergence. Apply Amicarbazone DF Herbicide after emergence through the 10-leaf collar stage (V10). Consult the tank-mix partner label for weeds controlled and maximum weed sizes at applications. Consult the tank-mix partner label for the appropriate crop stage and size at application, make the application within the most restrictive labeled timing between Amicarbazone DF Herbicide and any selected tank-mix partner. (See tank mix and sequential herbicide combinations section of this label.)

Use of an adjuvant is recommended only when the tank-mixing partner requires its inclusion. When an adjuvant is to be used with this product, Arysta recommends the use of a Chemical Producers and Distributors Association (CPDA) certified adjuvant. Do not use crop oil concentrate (COC), methylated seed oils (MSO), or any adjuvant containing vegetable or petroleum oils with Amicarbazone DF Herbicide post-emergence or crop injury may occur. The maximum seasonal rate for early post-emergence treatment is 0.25 lb ai/A.

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, Amicarbazone DF Herbicide may be soil applied into crop stubble after October 15, when the sustained soil temperature at the four-inch soil depth is less than 50° F, but before the ground is frozen. Apply at 5.0 to 10.25 oz per acre. This application is limited to only medium- and fine-textured soils and which will be planted to corn the following spring. Till the soil before or after application with incorporation depth no more than two inches following herbicide application. If a spring application of Amicarbazone DF Herbicide follows the fall application, the total Amicarbazone DF Herbicide rate for both applications must not exceed 10.25 oz per acre.

Winter Weed Control (for use in KS, OK, TX)

For control of winter weeds only. Following harvest of any previous crops in the fall, apply Amicarbazone DF Herbicide into crop stubble soil. Apply at 5.0 to 10.25 oz per acre. Apply the maximum rate alone or in an approved tank-mix combination labeled for similar use. Apply the lower rates in an approved tank-mix combination only. Make applications from November up to within 30 days of planting corn the following spring. If weeds are emerged at the time of application, refer to the following "Burndown" section of this label for instructions on appropriate adjuvants and tank-mix combinations for control of emerged weeds.

14/22

Use normal weed control programs in the following corn crop. Till the soil before or after application with incorporation depth no more than two inches following herbicide application. If a spring application of Amicarbazone DF Herbicide follows the fall application, the total Amicarbazone DF Herbicide rate for both applications must not exceed 10.25 oz per acre. Do not plant any crop other than corn or illegal residues may result.

Preplant / Pre-emergence Burndown

If weeds are present at the time of treatment, a tank-mixture of Amicarbazone DF Herbicide with crop oil concentrate or methylated seed oil is recommended for burndown control of labeled weeds less than 3 inches in height or diameter. If weeds are greater than 3 inches in height or diameter, or there are weeds present that are not controlled by Amicarbazone DF Herbicide, the addition of a nonselective herbicide such as Roundup®, Gramoxone® Extra, Touchdown™ or other glyphosate-containing product is recommended. For additional broadleaf weed control of giant ragweed or other difficult-to-control species, add a recommended formulation of 2,4-D and/or atrazine. Observe directions for use, precautions and restrictions on the labels of all products selected for a burndown tank-mixture. Burndown tank-mixtures containing atrazine will result in the burndown of labeled broadleaf weeds less than 6 inches in height.

WEEDS CONTROLLED

Amicarbazone DF Herbicide applied at full dosages and recommended application timings will control many annual broadleaf weeds, including ALS resistant weed populations (see Appendix III for a listing of weeds by scientific names).

WEEDS CONTROLLED		
ANNUAL BROADLEAF WEEDS		
Dandelion seedling	Jimsonweed	Lambsquarters, spp. ¹
Morningglory, spp. ²	Mustard, wild	Pennycress, field
Pepperweed, Virginia	Pigweed, redroot ¹	Pigweed, spp. ¹
Purslane, common	Ragweed, common	Shepherdspurse
Smartweed, Penn.	Speedwell, spp.	Sunflower, wild
Velvetleaf	Waterhemp, tall ¹	Waterhemp, common ¹
¹ Certain biotypes may have developed resistance to photosynthesis inhibiting herbicides (ex. Triazines). If weed resistance is known or suspected use in combination or in sequence with a registered non-photosynthesis inhibiting herbicide. ² Due to extended periods of germination and/or dry weather conditions, control of these weeds may be erratic and may require cultivation or an appropriate postemergence herbicide application for control of late season escapes.		

WEEDS PARTIALLY CONTROLLED

Amicarbazone DF Herbicide applied at recommended dosages and application timings, especially the higher rates and timings closer to planting,

15/22

will provide partial control (suppression) of many difficult to control annual grass and broadleaf weeds.

WEEDS PARTIALLY CONTROLLED³		
ANNUAL GRASS WEEDS		
Barnyardgrass Foxtail spp.	Cheat Lovegrass, India	Crabgrass spp. Panicum, fall
ANNUAL BROADLEAF WEEDS		
Cocklebur, common ²	Hemp sesbania	Henbit
Horsenettle Ragweed, giant ²	Kochia ¹ Prickly sida	Nightshade, eastern black
¹ Certain biotypes may have developed resistance to photosynthesis inhibiting herbicides (ex. triazines). If weed resistance is known or suspected, use in combination or in sequence with a registered non-photosynthesis inhibiting herbicide. ² Due to extended periods of germination and / or dry weather conditions control of these weeds may be erratic and may require cultivation or an appropriate postemergence herbicide application for control of late season escapes. ³ These weeds will be suppressed or be reduced in competition. Reduced competition weeds will be stunted in growth and/or be of reduced populations as compared to non-treated areas. Commercially acceptable control may require the application of an appropriate preemergence tank mixture or sequential postemergence herbicide treatment.		

RATE SELECTION / SOIL TEXTURE

The recommended rates of Amicarbazone 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 Arysta LifeScience North America Corporation 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 grouping:

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

USE RATES

Apply Amicarbazone DF Herbicide alone, in tank mixture with, or sequentially with additional registered herbicides to provide control of certain annual broadleaf weeds. Application rates vary according to application timing and

soil characteristics. Choose the correct rate of Amicarbazone DF Herbicide according to your cropping management and soil characteristics.

Use rate recommendations for Amicarbazone DF Herbicide are shown in tables 1 to 3. Tables 1 and 2 describe Amicarbazone DF Herbicide soil-applied use rates for the Eastern Corn Belt and Western Corn Belt, respectively. Table 3 contains use rate information for Amicarbazone DF Herbicide applied postemergence.

Amicarbazone DF Herbicide is intended for use only on medium and fine textured soils – **DO NOT USE Amicarbazone DF Herbicide ON COARSE-TEXTURED SOILS.**

If soil pH is > 7.4 the use of Amicarbazone DF Herbicide is not recommended.

Soil-Applied Eastern Corn Belt Use Rates (states of MN, MO, AR, LA, and IA east of US Hwy 71, and locations east) on medium and fine textured soils:

Table 1

Soil applied Conventional tillage / Conservation tillage / No-till		
Application Timing	Soil Organic Matter (%)	
	<2	>2
Early Preplant (30 or more days before planting)	10.25 oz/A	
Preplant (surface or incorporated, less than 30 days before planting)	5.0 to 7.5 oz/A	5.0 to 10.25 oz/A
Pre-emergence (surface, from planting to prior to emergence)		

Use the higher rate of Amicarbazone DF Herbicide within the applicable rate range when applying at or prior to planting for full season broadleaf weed control. Use the lower rate of Amicarbazone DF Herbicide within the applicable rate range when applying in combination with full rates of additional broadleaf herbicides, or when planning a sequential application of a broad spectrum herbicide.

Amicarbazone DF Herbicide applications made greater than 15 to 30 days prior to planting may require an appropriate sequential herbicide application to maintain commercially acceptable weed control throughout the season.

Soil-Applied Western Corn Belt Use Rates (states of ND, SD, NE, KS, OK, TX, and IA west of US Hwy 71, and points west) on medium and fine textured soils:

17/22

Table 2

Soil applied Conventional tillage / Conservation tillage / No-till	
Application Timing Prior to a planned sequential soil applied or postemergence application, or in tank mixture with full rates of a broad spectrum herbicide treatment:	Rate oz/A
Early Preplant (surface or incorporated, 30 or more days before planting)	5.0 to 10.25
Preplant (surface or incorporated, less than 30 days before planting)	5.0
Pre-emergence (surface from planting to prior to emergence)	

POST-EMERGENCE BROADCAST APPLICATION

Ground Application

Apply broadcast applications with ground equipment only. For optimum weed control, apply when weeds are small and actively growing. Consult the tank mix partner label for weeds controlled and maximum weed sizes at application. Consult the tank-mix partner label for the appropriate crop stage and size at application, make the application within the most restrictive labeled timing between Amicarbazone DF Herbicide and any selected tank-mix partner (see tank mix and sequential herbicide combinations section of this label).

Adjust nozzle height above crop and weed canopy to ensure uniform spray coverage. Increase carrier volume with increasing weed size and population density. For further precautions and additional instructions and recommendations, consult the tank-mix partner label.

POST DIRECTED APPLICATION

Tank-mix Amicarbazone DF Herbicide with various recommended herbicides to enhance control of broadleaf weeds when applied post directed to field corn. Apply Amicarbazone DF Herbicide through the 10-leaf collar stage (V10). Use drop nozzles and appropriate spacing to direct spray below the corn whorl and upper leaves. The top of the target weed canopy must be sufficiently below the whorl and upper leaves of the crop to permit adequate spray coverage. The height differential required between the crop and weed canopy will depend on the specific equipment used. Consult the tank-mix

partner label for weeds controlled and maximum weed sizes at application. Consult the tank-mix partner label for the appropriate crop stage and size at application. Make the application within the most restrictive labeled timing between Amicarbazone DF Herbicide and any selected tank-mix partner (see tank mix and sequential herbicide combinations section of this label).

Table 3

Application Timing	Rate oz/A
Use in combination with other broadleaf and / or grass and broadleaf post emergence herbicides at rates of the tank-mix partners recommended on their respective labels¹	
Post-emergence (apply to corn from emergence through the 10 leaf collar stage [V10])	2.25 – 3.5
¹ Use of an adjuvant is recommended only when the tank-mixing partner requires its inclusion. Do not use crop oil concentrate (COC), methylated seed oils (MSO), or any adjuvant containing vegetable or petroleum oils with Amicarbazone DF Herbicide post-emergence. When an adjuvant is to be used with this product, Arysta recommends the use of a Chemical Producers and Distributors Association (CPDA) certified adjuvant.	

Special Precautions and Restrictions

1. Do not make post-emergence applications using sprayable grade fluid fertilizers as the carrier because severe crop injury may occur.
2. Do not apply when corn is under stress (see Stress statement below).

Stress is any condition or combination of conditions, which impairs normal crop growth. Weather, disease, insect damage, fertility or other factors may cause stress. Applications made before or after the crop is under stress from these factors or from periods of prolonged cool, wet and cloudy weather, or widely fluctuating day and nighttime temperatures may result in temporary leaf burn, yellowing and / or stunting of the crop. Recovery from damage is generally rapid with no lasting effects on new growth. Under extreme stress, stand reductions may occur.

Refer to the individual product labels for additional information concerning use rates, precautions and / or restrictions.

TANK MIX AND SEQUENTIAL HERBICIDE COMBINATIONS

Apply Amicarbazone DF Herbicide as a tank-mix or in sequence with additional herbicides to provide improved spectrum of weed control. Control of grassy weeds and additional control of certain hard-to-control broadleaf weeds such as morningglories, cocklebur and giant ragweed is provided with various tank mixtures, applied in either conventional, conservation or no-till crop management systems. Apply tank-mix partners with similar timings and methods as Amicarbazone DF Herbicide alone unless specifically prohibited

TISSUE BURN, MAY OCCUR.		
Bromoxynil products		
HERBICIDES RECOMMENDED FOR TANKMIX ONLY PRIOR TO CROP EMERGENCE WITH Amicarbazone DF Herbicide. SEQUENTIAL APPLICATIONS CAN BE MADE WITH AMICARBAZONE DF Herbicide APPLIED PRIOR TO CROP EMERGENCE OR POST-EMERGENCE.		
Hornet [®]	Laddock S-12 [®]	Python [®]
HERBICIDES RECOMMENDED ONLY FOR SEQUENTIAL APPLICATIONS WITH Amicarbazone DF Herbicide.		
Aim [®] Tough [®]	Contour [®]	Pursuit [®]

CROP ROTATION RESTRICTIONS

In the event of a crop failure, only corn can be replanted immediately. Do not apply more than 10.25 oz per acre per year of Amicarbazone DF Herbicide .

Waiting periods after Amicarbazone DF Herbicide application before the following crops can be planted

IMMEDIATELY	1 MONTH	12 MONTHS
Corn	Soybeans Bulb vegetables Root and tuber vegetables	Cotton

Do not rotate to crops other than field corn and crops listed above with specific plant-back intervals.

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. For 24-hours chemical emergency (spill, leak, fire or accident) assistance, call Chemtrec 1-800-424-9300.

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

2/1/22

Container Disposal:

TOTE BAGS: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

DRUMS: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning 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 clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration if allowed by state and local authorities by burning. If burned, stay out of smoke.

Warranty and Disclaimer Statement

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. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America, LLC ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING

22/22

FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

Axiom[®], Axiom[®] AT, Balance[®], Epic[®], Liberty[®] and Sencor[®] are trademarks of Bayer Crop Science Corporation.

Banvel[®], Basagran[®], Clarity[®], Contour[®], Frontier[®], Guardsman[®], Laddok[®] S-12, Lightning[®], Marksman[®], Prowl[®], Pursuit[®], Resolve[®] and Tough[®] are trademarks of BASF Corporation.

Beacon[™], Bicep II Magnum[®], Dual II Magnum[™], Fultime[®], Gramoxone[®] Extra, Spirit[™], TopNotch[®] and Touchdown[™] are trademarks of Syngenta.

Hornet[®], Python[®], Scorpion III[®] and Stinger[®] are trademarks of Dow AgroSciences.

Harness[®], Harness[®] Xtra, Lariate[®], Lasso[®], RoundUp[™], RoundUp[™] Ultra and Permit[®] are trademarks of Monsanto Company.

Accent[®], Accent Gold[®], Basis[®], Basis Gold[®] and Leadoff[®] are trademarks of DuPont Agricultural Products.

Resource[®] is a trademark of Valent Corporation.

Aim[™] is a trademark of FMC Corporation.

Shotgun[®] is a trademark of Platte Chemical Company.