66330-46 07/09/2012 1/22

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D C 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Jonathan A Janis
Arysta LifeScience North America, LLC
15401 Weston Parkway
Suite 150
Cary, NC 27513

JUL - 9 2012

Subject Amicarbazone WDG Herbicide
EPA Reg No 66330-46
Label Amendment
Submission Dated April 16, 2012

Dear Mr Janis,

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable

A stamped copy of your label is enclosed for your records This label supersedes all previously accepted labels You must submit one (1) copy of the final printed label before you release the product for shipment Products shipped after eighteen (18) months from the date of this letter or the next printing of the label, whichever occurs first, must bear the new revised label If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA §6(e) Your release for shipment of the product constitutes acceptance of these conditions

If you have any questions, please contact Emily Hartman of my staff at (703) 347-0189 or hartman emily@epa gov

Sincerely,

Kathryn Montague, Product Manager 23
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

2/22

Arysta LifeScience

GROUP 5 HERBICIDE

Amicarbazone DF Herbicide
[Alternate Brand Name DINAMIC 70WDG HERBICIDE]
[Alternate Brand Name XONERATE HERBICIDE]

For broadleaf and other weed control in field corn and corn grown for silage
For selective Control of Weeds in Turf on Golf Courses, Sod Farms, Residential and Commercial Turf Sites, Park and Recreation Areas, School Grounds and other Turf Areas and Conifers in Nurseries and Field Plantings (including Christmas trees)

INGREDIENTS	By Wt
Active Ingredient	
Amicarbazone	
4-amino-*N*-(1,1-dimethylethyl)-4,5-dihydro-3-(1-methylethyl)-5-oxo-1*H*-1,2,4-triazole-1-carboxamide	**70%**
OTHER INGREDIENTS	**30%**
Total	**100%**

Read the label before use
KEEP OUT OF REACH OF CHILDREN

CAUTION/PRECAUCION

Si usted no entiende la etiqueta busque a alguien para que se la explique a usted en detalle
(If you do not understand this label find someone to explain it to you in detail)
[See back panel for additional precautionary statements]

FIRST AID	
If swallowed	• 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	• Hold eye open and rinse slowly and gently with warm water for 15 to 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
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 MEDICAL EMERGENCY ASSISTANCE CALL PROSAR 1-866-303-6952 or 1-651-632-8946	
FOR 24-HOUR CHEMICAL EMERGENCY CALL CHEMTREC Spill Leak Fire or Accident 1-800-424-9300 or 1-703-527-3887	

Arysta LifeScience North America, LLC
15401 Weston Parkway, Suite 150
Cary NC 27513
Nonrefillable container
For Product Information call 1-866-761-9397

EPA Reg No 66330-46
EPA Est No
Net Weight ____

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 using tobacco or using the toilet Avoid contact with eyes or clothing

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear

- Long-sleeved shirt and long pants
- Chemical-resistant gloves (made of any water proof material)
- Shoes plus socks

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 CONTROL STATEMENT

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR §170 240(d)(4-6)] the handler PPE requirements may be reduced or modified as specified in the WPS

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

ENVIRONMENTAL HAZARDS

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 apply when weather conditions favor drift from areas treated Do not contaminate water when disposing of equipment washwaters or rinseate Do not use the same spray equipment for other purposes unless thoroughly cleaned

Do not allow sprays to drift onto adjacent desirable plants Drift or runoff may adversely affect non-target plants

Amicarbazone DF has properties which may result in ground water contamination Use of Amicarbazone DF 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

GROUND WATER ADVISORY

This chemical has properties and characteristics associated with chemicals detected in ground water This chemical may leach into ground water if used in areas where soils are permeable particularly where the water table is shallow

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

SURFACE WATER ADVISORY

This product may contaminate surface water via runoff of rain water or drift of spray in wind This product is classified as having a high potential for reaching surface water via runoff 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 Amicarbazone and its degradates from runoff water and sediment 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 potential to reach aquatic sediment via runoff

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 or local tribes may have in effect additional requirements regarding wellhead setbacks and operational containment State Local or Tribal regulations may be more restrictive than those listed on this product label The most restrictive requirements must be followed

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 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 wear coveralls chemical-resistant gloves (made of any waterproof material) and shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170) The WPS applies when this product is used to produce agricultural plants on farms forests nurseries or greenhouses

Do not enter or allow people (or pets) to enter the treated area until sprays have dried

Read these entire DIRECTIONS FOR USE and WARRANTY AND DISCLAIMER STATEMENT before using this product

PRODUCT 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 is a selective postemergence herbicide that may be used for the control of certain weeds in established turfgrasses It also has preemergence activity on certain weed species at rates of 5 0 to 10 0 oz Amicarbazone DF/A

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 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

Amicarbazone DF Herbicide can be appied using either water or sprayable grade fluid fertilizer as a liquid carrier or by impregnating on dry bulk fertilizer

RESISTANCE MANAGEMENT
For resistance management Amicarbazone DF is an Herbicide Resistance Action Committee (HRAC) Group C_1 Herbicide a photosynthesis II inhibitor (Weed Science Society of America (WSSA) Group 5) Any weed population may contain or develop plants naturally resistant to a herbicidal mode of action Resistant biotypes can eventually dominate the weed population if herbicides with an identical mode of action are used repeatedly on the same site If this happens control of resistant biotypes will not occur unless a herbicide with a different mode of action is utilized Whenever possible tank mix or rotate the use of Amicarbazone DF with herbicides that have a different mode of action

Amicarbazone DF will not control triazine-resistant (atrazine simazine metribuzin) and diuron-resistant weeds

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 with your chemical dealer consultant extension turfgrass specialist or agricultural advisor for resistance management strategies for your area

Read the entire DIRECTIONS FOR USE before using Amicarbazone DF Herbicide

USE RESTRICTIONS

- Do not apply this product using aerial application equipment
- Do not apply more than one application per season in field corn
- Do not apply this product if the soil pH is > 7 4
- Do not mix load or clean spray equipment within 50 feet of any wells or aquatic systems including marshes ponds ditches streams lakes etc
- Do not apply within 50 feet of well-heads or the above mentioned aquatic systems
- Do not apply more than 10 25 oz/A (ounces per acre) of Amicarbazone DF Herbicide per season
- Do not apply more than 10 25 oz/A of Amicarbazone DF Herbicide per single application
- Do not allow this chemical to drift onto other crops
- Do not apply this product through any type of irrigation system
- Do not use flood irrigation for activation or incorporation of this product

USE PRECAUTIONS FOR TURF

- Do not apply Amicarbazone DF where annual bluegrass is maintained as a desirable turf
- Use on turfgrass species other than those listed in the Cool-Season Turfgrasses and Warm season Turfgrasses tables may result in unacceptable injury
- Do not apply Amicarbazone DF newly established (within six months) turfgrasses unless otherwise directed on this label
- Do not apply Amicarbazone DF within 4 weeks of cutting or lifting of sod
- Do not replant any crop to treated areas other than turfgrasses for a period of 12 months after the last application
- Do not apply when turfgrasses are under stress (may weaken sod root systems if applied within 4 weeks of cutting or lifting sod)
- Allow at least 1 week between last application and overseeding with winter grasses
- Apply to actively-growing weed populations

CORN

Amicarbazone DF Herbicide is intended for use on field corn or corn grown for silage

RESTRICTIONS AND PRECAUTIONS

- Do not use on popcorn sweet corn high oil corn hybrids or corn grown for seed
- For use on medium and fine textured soil types only
- Do not use Amicarbazone DF Herbicide on coasrse-textured soils
- Do not apply more than one application per season

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

APPLICATION

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/A of Amicarbazone DF Herbicide per season

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 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
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 a glyphosate containing product 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

SPRAY DRIFT MANAGEMENT
Spray equipment and weather affect spray drift Consider all factors when making application decisions Where states or tribes have more stringent regulations they must be observed Avoiding spray drift is the responsibility of the applicator or grower To reduce the potential for drift the application equipment must be set to apply medium to course droplets (i e ASAE Standard 572) with corresponding spray pressure Use high flow rate nozzles to apply the highest practical spray volume With most nozzle types narrow spray angles produce larger droplets Follow the nozzle manufacturer's directions on pressure orientation spray volume etc in order to minimize drift and optimize coverage and control

Wind
Avoid making applications when spray particles may be carried by air currents to nontarget areas Do not spray if wind is gusty below 2 mph or in excess of 10 mph and moving in the direction of adjacent sensitive areas Local terrain may influence wind patterns the applicator must be familiar with local conditions and understand how they may impact spray drift

Sensitive Areas
Sensitive areas to this product are defined as bodies of water (ponds lakes rivers streams and wetlands) known habitats of threatened or endangered species and non-labeled agricultural crop areas Application must take all precautions necessary to keep spray drift from reaching sensitive areas

Temperature Inversions
A sufrace temperature inversion (i e increasing temperature with increasing altitude) greatly increases the potential for drift Presence of ground fog is a good indicator of a surface temperature inversion Do not apply

8/22

during temperature inversions Always make applications when there is some air movement to determine the direction and distance of possible spray drift

Equipment
All aerial and ground equipment must be properly maintained and calibrated using appropriate carriers or suggogates

Additional requirements for ground applications
- Do not apply with a nozzle height greater than 4 feet above the crop canopy

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 gal of total spray volume/A 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 gal whichever is greater Use appropriately sized mesh screens and in-line strainers Agitate thoroughly before and during application with either bypass or mechanical 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

9/22

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

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 LifeScience North America LLC 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/A 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/A

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/A 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

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/A

RESTRICTION 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

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

WEEDS PARTIALLY CONTROLLED[3]		
ANNUAL GRASS WEEDS		
Barnyardgrass	Cheat	Crabgrass spp
Foxtail spp	Lovegrass India	Panicum fall
ANNUAL BROADLEAF WEEDS		
Cocklebur common[2]	Hemp sesbania	Henbit
Horsenettle	Kochia[1]	Nightshade eastern black
Ragweed giant [2]	Prickly sida	

[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 LLC 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	Loam	Silty clay loam
Loamy sand	Silt loam	Silty clay
Sandy loam	Silt	Clay loam
	Sandy clay loam	Clay
	Sandy 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 specifications for Amicarbazone DF Herbicide are shown in tables titled Soil Applied Conventional Tillage and Post-Emergence Soil Applied Conventional Tillage tables describe Amicarbazone DF Herbicide soil-applied use rates for the Eastern Corn Belt and Western Corn Belt respectively The Post-Emergence table contains use rate information for Amicarbazone DF Herbicide applied postemergence

Amicarbazone DF Herbicide is intended for use only on medium and fine textured soils

RESTRICTION – DO NOT USE AMICARBAZONE DF HERBICIDE ON COARSE-TEXTURED SOILS

Do not use Amicarbazone DF Herbicide when soil pH is > 7 4

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

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

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 restrictions 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)

POST EMERGENCE	
Application Timing 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 labels[1]	**Rate oz/A**
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 LifeScience North America LLC recommends the use of a Chemical Producers and Distributors Association (CPDA) certified adjuvant	

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 section)

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 Always follow the most restrictive label use directions

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 in the tank mix partner's product label or otherwise indicated on the Herbicide Recommended For Tank Mixture table Three way or

multiple tank mixtures are permitted unless restricted by any tank mix partner's label Refer to the individual product labels for recommended use rates (unless mentioned specifically on this label) precautions and restrictions Do not tank mix Amicarbazone DF Herbicide with SENCOR®

Refer to the individual product labels for additional information concerning use rates precautions and/or restrictions Always follow the most restrictive label use directions

HERBICIDES RECOMMENDED FOR TANK MIXTURE AND/OR FOR SEQUENTIAL APPLICATION WITH AMICARBAZONE DF HERBICIDE INCLUDE		
Atrazine products	Banvel®	Bicep II Magnum®
Clarity®	Dual II Magnum®	Frontier®
Fultime®	Glyphosate	Gramoxone Extra®
Guardsman®	Harness®	Harness Xtra®
Lasso®	Marksman®	Prowl®
Roundup®	TopNotch®	Touchdown®
2 4 D products		
HERBICIDES RECOMMENDED FOR POST EMERGENCE USE ONLY		
Accent®		
HERBICIDES RECOMMENDED FOR PREPLANT APPLICATIONS ONLY USE SEQUENTIALLY WITH AMICARBAZONE DF HERBICIDE SEPARATING APPLICATIONS BY AT LEAST 30 DAYS DO NOT TANKMIX WITH AMICARBAZONE DF HERBICIDE		
Balance®		
HERBICIDES RECOMMENDED FOR POST EMERGENCE TANKMIX APPLICATIONS HOWEVER TEMPORARY CROP DAMAGE AS A CONTACT TISSUE BURN MAY OCCUR		
Bromoxynil products		

CROP ROTATION RESTRICTIONS
In the event of a crop failure only corn can be replanted immediately Do not apply more than 10 25 oz/A per year of Amicarbazone DF Herbicide

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

Interval	Crops
0 Days	Corn
1 Months	Soybeans
	Bulb Vegetables
	Root and Tuber Vegetables
12 Months	Cotton

RESTRICTION Do not rotate to crops other than field corn and crops listed above with specified plant back intervals

TURF

Recommended Turfgrass Sites

Amicarbazone DF may be applied to tolerant turf species on golf courses seed and sod production fields residential sites (including home lawns) schools playgrounds parks recreational areas sports fields common areas and grass roadsides maintained as a lawn Do not apply Amicarbazone DF where annual bluegrass is maintained as a desirable turf

Turfgrass Tolerance

Apply to turfgrasses established for six months unless otherwise directed on this label Cool season turfgrasses established in the fall months can be treated the following spring The use of Amicarbazone DF on turf that is not well established or that has been weakened by weather pests diseases chemicals mechanical injury or other related stress factors may result in adverse turf injury

This product should only be applied to sites that are composed of the following turfgrass species unless trial use has indicated that the turf species not listed here is tolerant to Amicarbazone DF

Cool-Season Turfgrasses[1]	
Bentgrass creeping	*Agrostis palustris*
Bluegrass Kentucky	*Poa pratensis*
Fescue Fine	*Festuca sp*
Fescue Tall	*Festuca arundinacea*
Ryegrass Perennial	*Lolium perenne*
[1]Cool and warm season turfgrasses have demonstrated acceptable tolerance to Amicarbazone 70DF However not all cultivars have been evaluated	

Warm-Season Turfgrasses[1]	
Bahiagrass	*Paspalum notatum*
Bermudagrass	*Cynodon dactylon*
Buffalograss	*Buchloe dactyloides*
Centipedegrass	*Eremochloa ophiuroides*
Kikuyugrass	*Pennisetum clandestinum*
Seashore Paspalum	*Paspalum vaginatum*
St Augustinegrass	*Stenotaphrum secundatum*
Zoysiagrass	*Zoysia japonica*
[1]Cool and warm season turfgrasses have demonstrated acceptable tolerance to Amicarbazone 70DF However not all cultivars have been evaluated	

When applied as directed under the conditions described established turfgrasses are tolerant to this product Temporary yellowing of the turf may occur after application This effect is temporary and the turf will recover in 14 to 21 days
APPLICATIONS TO COOL SEASON TURFGRASSES WHEN THE DAILY HIGH AIR TEMPERATURE EXCEEDS 85 F MAY RESULT UNACCEPTABLE INJURY
DO NOT APPLY AMICARBAZONE TO CREEPING BENTGRASS WHEN THE DAILY HIGH AIR TEMPERATURE IS EXPECTED TO EXCEED 80 F APPLICATIONS TO WARM SEASON TURFGRASSES WHEN THE DAILY HIGH AIR TEMPERATURE EXCEEDS 90 F MAY RESULT IN UNACCEPTABLE INJURY

Application
RESTRICTIONS

- 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

Amicarbazone DF may be applied postemergence to tolerant turfgrasses at rates of 1 0 to 10 0 oz/A See additional information for specific turfgrass species in section titled **Timing and Rates of Application**

Improper spray pattern overlaps produce areas of over application and may increase the potential for turf damage

Mixing Instructions Liquid Carriers

Amicarbazone DF is a dry flowable formulation that must be mixed in water or sprayable liquid fertilizers Liquid fertilizer may replace part or all of the water as carrier The application of Amicarbazone DF using liquid fertilizer as the carrier may increase the herbicidal activity on certain weeds and decrease tolerance of desirable turfgrass species This combination should be tested to determine safety of Amicarbazone DF and liquid fertilizer before treating large areas

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 Add the recommended quantity of Amicarbazone DF Herbicide to the spray tank
5 If tank mixing with wettable powders or other dry flowable products in water as the carrier these may be added now
6 If tank mixing with suspension concentrates add the products to the spray tank
7 If tank mixing with emulsifiable concentrates or soluble products add the products to the spray tank
8 If mixing any additional spray adjuvants in the mixture add them after all other products have been mixed
9 Amicarbazone DF and all registered mixtures should be kept agitated once mixed and then sprayed out
10 Do not allow mixtures to stand for prolonged periods of time

When an adjuvant is to be used with this product Arysta LifeScience North America LLC recommends the use of a Chemical Producers and Distributors Association (CPDA) certified adjuvant

Compatibility

If Amicarbazone DF is to be tank mixed with other herbicides pesticides and liquid fertilizers not shown on this label compatibility needs to be determined before mixing A compatibility test can be conducted with the following method

1 In a small container (jar with lid) add 0 5 to 1 0 qt of the spray carrier
2 Add all ingredients of the tank mix in the same ratio as the anticipated use into spray carrier
3 Vigorously shake the mixture and allow to stand for 5 to 10 minutes
4 Rapid precipitation settling changes in color etc and/or failure to resuspend indicates that the mixture is physically incompatible and should not be applied
5 If the mixture is physically compatible the tank mix should be tested to determine safety (no adverse turfgrass injury) before treating large areas Observe treated areas for 2 to 3 weeks after application If injury is not considered adverse then the remaining turf area may be treated

Sprayer Equipment Clean out

After applying Amicarbazone DF the sprayer must be throughly cleaned with the following procedure

1 Drain the tank completely then wash out tank boom and hoses with clean water
2 Drain the tank again
3 Fill the tank half full with water and add ammonia at a dilution rate of 1 0% v/v (i e one gallon household ammonia per 100 gal of rinsate) Completely fill tank with water Operate the sprayer for 10 minutes to flush hoses boom and nozzles
4 Drain the sprayer system Rinse the tank with clean water and flush the hoses boom and nozzles Remove and clean spray tips and screens separately
5 Properly dispose of all cleaning solution and rinsate in accordance with Federal State and local guidelines

Do not drain or flush sprayer on or near desirable plants Do not contaminate any body of water

SPRAY APPLICATION

Broadcast Treatment

Accurately calibrate the sprayer prior to mixing the herbicide treatments Apply Amicarbazone DF and the labeled tank mix partners in a minimum of 20 gal of total spray volume/A using broadcast boom equipment Power sprayers equipped with a spray wand/gun may also be used for broadcast or spot application 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 20 gal whichever is greater Use appropriately sized mesh screens and in line strainers Agitate thoroughly before and during application with either bypass or mechanical agitation Rinse the sprayer thoroughly with clean water immediately after each use

Spot Treatment

Backpack and compression sprayers may be used for small turfgrass areas and spot treatments Wands fitted with a flat fan nozzle tip should be held stationery at the proper height during application A side to side or swinging arm motion may result in uneven spray coverage

APPLICATION METHODS AND TIMINGS

Apply Amicarbazone DF postemergence to actively growing broadleaf and grass weeds A nonionic surfactant with at least 80% active ingredients should be added at 0 25% v/v (2 0 pt per 100 gal of spray mix) to the spray mix

Do not apply when environmental conditions favoring drift

Amicarbazone DF may be tank mixed with herbicides registered for use on turfgrass sites See tank mix instructions listed under specific turfgrass species for more information

WEEDS CONTROLLED or SUPPRESSED

Amicarbazone DF applied at specified rates and application timings will control or suppress the following broadleaf and grass weeds in turf

WEEDS CONTROLLED or SUPPRESSED by AMICARBAZONE DF	
Alexandergrass	Morningglory spp
Betony Florida (suppression)	Mustard wild
Bittercress hairy	Nightshade eastern black (suppression)
Bluegrass annual (annual and perennial biotypes)	Panicum fall
Bluegrass roughstalk (*Poa trivalis*)	Parsley piert
Burweed lawn (spurweed)	Pennycress field
Carpetweed	Pepperweed Virginia
Cheat (suppression)	Pigweed spp
Chickweed common	Prickly sida (suppression)
Chickweed sticky	Purslane common
Clover hop (suppression)	Radish wild
Cocklebur common (suppression)	Ragweed common
Crabgrass spp (suppression) (does not control India crabgrass (*Digitaria longiflora*)	Ragweed giant (suppression)
Creeping beggarweed (suppression)	Shepherd spurse
Cudweed sp	Sida prickly (suppression)
Diamond flower old world (suppression)	Smartweed Pennsylvania
Foxtail sp (suppression)	Speedwell sp
Hemp sesbania (suppression)	Spurge spotted
Henbit	Toadflax oldfield
Horsenettle (suppression)	Velvetleaf
Jimsonweed	Waterhemp tall
Kochia (suppression)	Waterhemp common
Lambsquarters common	Whitehead broom (suppression)
Lovegrass India (suppression)	

TIMING AND RATES OF APPLICATION

Cool Season Turfgrasses

Annual bluegrass and broadleaf weed control in established creeping bentgrass Kentucky bluegrass fine fescues tall fescue and perennial ryegrass

Creeping Bentgrass Putting Greens

Creeping bentgrass (A1 A4 G6 L93 Crenshaw and Penncross) maintained at putting green clipping heights has demonstrated acceptable tolerance to Amicarbazone DF Other creeping bentgrass cultivars may be tolerant however the end user is advised to do a tolerance test on a small area before spraying all the intended turfgrass areas

For annual bluegrass control apply Amicarbazone DF in the spring months two to four weeks after the resumption of active bentgrass growth at 1 0 oz Amicarbazone DF/A Repeat the application at 7 day intervals for a maximum of up to 4 applications Repeat applications should be made in a perpendicular direction to the previous application

- Apply amicarbazone at air temperatures ranging from 50 to 80 F
- Do not apply Amicarbazone DF to creeping bentgrass greens when the daytime air temperature is expected to exceed 80 F or immediately before or after periods of higher air temperatures
- Do not apply Amicarbazone DF to creeping bentgrass greens in the summer or early fall months
- Do not apply Amicarbazone DF to creeping bentgrass greens exhibiting stress from adverse weather pests diseases chemicals mechanical injury or other related stress factors

Improper spray pattern overlaps produce areas of over application and may increase the potential for turf damage Additionally all potential tank mixtures with fungicides insecticides and other herbicides have not been evaluated and are not recommended by Arysta LifeScience North America LLC for use on putting greens

Amicarbazone DF is highly effective in controlling *Poa annua* Applications to creeping bentgrass greens with high populations of *Poa annua* can result in a decrease of overall turf quality due to the elimination of *Poa annua* Results from controlling *Poa annua* infestations may be mistaken as temporary injury to creeping bentgrass or by thinning of the turf Creeping bentgrass will gradually fill in the resultant bare areas Treated areas may be reseeded at 7 or more days after the last application of Amicarbazone DF

ARYSTA LIFESCIENCE NORTH AMERICA LLC WARRANTY DISCLAIMER FOR USE OF AMICARBAZONE DF ON CREEPING BENTGRASS PUTTING GREENS

Amicarbazone DF can decrease overall putting green quality when used on creeping bentgrass putting greens with more than a 10% *Poa annua* infestation Arysta LifeScience North America LLC recommends that end users test Amicarbazone DF prior to using Amicarbazone DF in order to determine its suitability for *Poa annua* management on putting greens Arysta LifeScience North America LLC makes Amicarbazone DF available to the end user solely to the extent that the benefit and utility in the sole opinion of the end user outweigh the extent of potential injury associated with the use of this product The decision to use or not use Amicarbarbazone DF must be made by each individual end user of Amicarbazone DF on the basis of possible injury to creeping bentgrass and of reduced putting green quality due the elimination of *Poa annua* Because of the risk of injury to creeping bentgrass as well as reduced putting green quality that all such use is at the end user's risk Arysta LifeScience North America LLC makes no warranty expressed or implied with respect to the use on Amicarbazone DF on creeping bentgrass putting greens This warranty discaimer is in addition to the Warranty and Disclaimer Statement set forth on this label

Creeping Bentgrass Tees

Creeping bentgrass (A1 A4 G6 L93 Pennway Penncross and Seaside) maintained at tee clipping heights has demonstrated acceptable tolerance to Amicarbazone DF Other creeping bentgrass cultivars may be tolerant however the end user is advised to do a tolerance test on a small area before spraying all the intended turfgrass areas

For annual bluegrass control apply Amicarbazone DF in the spring months two to four weeks after the resumption of active bentgrass growth at 1 0 oz Amicarbazone DF/A Repeat the application at 7 day intervals for a maximum of up to 4 applications Repeat applications should be made in a perpendicular direction to the previous application

- Apply amicarbazone at air temperatures ranging from 50 to 80 F
- Do not apply Amicarbazone DF to creeping bentgrass tees when the daytime air temperature is expected to exceed 80 F or immediately before or after periods of higher air temperatures
- Do not apply Amicarbazone DF to creeping bentgrass tees in the summer or early fall months
- Do not apply Amicarbazone DF to creeping bentgrass tees exhibiting stress from adverse weather pests diseases chemicals mechanical injury or other related stress factors

Improper spray pattern overlaps produce areas of over application and may increase the potential for turf damage Additionally all potential tank mixtures with fungicides insecticides other herbicides and products containing mefluidide have not been evaluated and are not recommended by Arysta LifeScience North America LLC for use on tees

Amicarbazone DF is highly effective in controlling *Poa annua* Applications to creeping bentgrass greens with high populations of *Poa annua* can result in a decrease of overall turf quality due to the elimination of *Poa annua* Results from controlling *Poa annua* infestations may be mistaken as temporary injury to creeping bentgrass or by thinning of the turf Creeping bentgrass will gradually fill in the resultant bare areas Treated areas may be reseeded at 7 or more days after the last application of Amicarbazone DF

Creeping Bentgrass Fairways and Roughs

Creeping bentgrass (A1 A4 G6 L93 Pennway Penncross and Seaside) has demonstrated acceptable tolerance to Amicarbazone DF Other creeping bentgrass cultivars may be tolerant however the end user is advised to do a tolerance test on a small area before spraying all the intended turfgrass areas

Apply Amicarbazone DF in the spring months two to four weeks after the resumption of active bentgrass growth at 2 0 to 3 0 oz Amicarbazone DF/A for annual bluegrass control Repeat the application at 14 to 21 day intervals for a maximum of 2 applications
Alternatively apply Amicarbazone DF in the spring months two to four weeks after the resumption of growth at 1 0 oz/A Repeat the applications at 7 day intervals for a maximum of up to 4 applications

- Apply amicarbazone at air temperatures ranging from 50 to 80 F
- Do not apply Amicarbazone DF to creeping bentgrass fairways and roughs when the daytime air temperature is expected to exceed 80 F or immediately before or after periods of higher air temperatures
- Do not apply Amicarbazone DF to creeping bentgrass fairways and roughs in the summer or early fall months
  Do not apply Amicarbazone DF to creeping bentgrass exhibiting stress from adverse weather pests diseases chemicals mechanical injury or other related stress factors
  Repeat applications should be made in a perpendicular direction to the previous application

Amicarbazone DF is highly effective in controlling *Poa annua* Applications to creeping bentgrass greens with high populations of *Poa annua* can result in a decrease of overall turf quality due to the elimination of *Poa annua* Results from controlling *Poa annua* infestations may be mistaken as temporary injury to creeping bentgrass or by thinning of the turf Creeping bentgrass will gradually fill in the resultant bare areas Treated areas may be reseeded at 7 or more days after the last application of Amicarbazone DF

Amicarbazone DF may be tank mixed with labeled herbicides such as 2 4 D MCPP dicamba or two and three way herbicides that contain mixtures of 2 4 D MCPP clopyralid dicamba fluroxypyr or triclopyr to enhance control of emerged broadleaf weeds

Amicarbazone DF may also be tank mixed with preemergence herbicides for residual control of crabgrass species and other summer annual weeds

Do not apply Amicarbazone DF to creeping bentgrass that has received an application of products that contain mefludide within the previous 3 months

Kentucky Bluegrass Fine Fescues Tall Fescue Perennial Ryegrass

For annual bluegrass control Amicarbazone DF may be applied twice at 2 0 to 4 0 oz Amicarbazone DF/A at 14 to 21 day intervals

Amicarbazone should not be applied to cool season turfgrasses when the daytime air temperature is expected to exceed 85 F or immediately before or after periods of high air temperatures Application of Amicarbazone DF to cool season turfgrasses exhibiting stress from adverse weather pests diseases chemicals mechanical injury or other related stress factors may increase the potential for unacceptable injury

Perennial ryegrass and tall fescue may be seeded at 7 or more days after the last application of Amicarbazone DF

Amicarbazone DF may be tank mixed with various recommended herbicides such as 2 4 D MCPP dicamba or two and three way herbicides that contain mixtures of 2 4 D MCPP clopyralid dicamba fluroxypyr or triclopyr to enhance control of emerged broadleaf weeds

Amicarbazone DF may also be tank mixed with preemergence herbicides for residual control of crabgrass species and other summer annual weeds

Do not apply amicarbazone to perennial ryegrass tall fescue fine fescue or Kentucky bluegrass that has received an application of products that contain mefludide within the previous 3 months

Warm Season Turfgrasses

Annual bluegrass and broadleaf weed control in established bahiagrass bermudagrass buffalograss centipedegrass kikuyugrass seashore paspalum St Augustinegrass and zoysiagrass

Annual bluegrass and winter annual broadleaf weed control

Amicarbazone DF may be applied postemergence to tolerant warm season turf at rates of 3 0 to 10 0 oz/A Amicarbazone DF may be applied while warm season turfgrasses are dormant or actively growing If practical avoid applications during the early stages (less than 25% green up) of spring transition When using low rates or for difficult to control weeds repeat applications at 3 0 to 5 0 oz/A can be made but the maximum rate per season must not exceed 10 0 oz of Amicarbazone DF/A Repeat applications should be made 2 to 3 weeks after the initial application

Amicarbazone DF can be tank mixed with labeled herbicides that contain contain metsulfuron 2 4 D dicamba or mixtures of 2 4 D MCPP clopyralid dicamba fluroxpyr or triclopyr to enhance control of emerged broadleaf weeds If sedge species are present on the site Amicarbazone DF can be tank mixed with herbicides labelded for control of sedges Consult the tank mix partner label for turfgrass species tolerance weeds controlled and maximum weed sizes at applications Follow the most restrictive labeled timing between Amicarbazone DF Herbicide and any tank mix partner

Amicarbazone DF may also be tank mixed with preemergence herbicides for residual control of crabgrass species and other summer annual weeds

Bermudagrass Tees and Fairways Fall Overseeded with Perennial Ryegrass or *Poa trivialis* (Roughstalk Bluegrass)

Amicarbazone DF may be applied at 5 0 to 10 0 oz/A one or more weeks before overseeding bermudagrass with either perennial ryegrass or *Poa trivialis* for control of emerged annual bluegrass
AMICARBAZONE DF APPLIED TO SEEDLING OR ESTABLISHED *POA TRIVALIS* WILL RESULT IN SEVERE TURF INJURY

In early to mid spring months Amicarbazone DF at 2 0 to 4 0 oz/A may be used to control annual bluegrass and certain winter annual broadleaf weeds in bermudagrass overseeded the previous fall with perennial ryegrass Make a second application two to three weeks after the first application Delay the spring applications until perennial ryegrass is actively growing and has recovered from winter induced stress but no sooner than four months after seeding Perennial ryegrass clipped at 0 5 to 0 75 inch has shown good tolerance to Amicarbazone DF at rates up to 4 0 oz/A Temporary injury to perennial ryegrass may occur for 1 to 2 weeks after application Amicarbazone should not be applied to perennial ryegrass when the daytime air temperature is expected to exceed 85 F or immediately before or after periods of high air temperatures Application of Amicarbazone DF to perennial ryegrass exhibiting stress from adverse weather pests diseases chemicals mechanical injury or other related stress factors may increase the potential for unacceptable injury

As there are numerous cultivars of perennial ryegrass as well as a wide range of clipping heights end users are advised to determine perennial ryegrass tolerance on a small trial area on their site Observe trial areas for two to three weeks after application If injury is not considered adverse then the remaining turf area may be treated Do not apply Amicarbazone DF to emerged *Poa trivialis* unless the objective is suppress or remove it

Amicarbazone DF may be tank mixed with various recommended herbicides such as 2 4 D MCPP dicamba or two and three way herbicides that contain mixtures of 2 4 D MCPP clopyralid dicamba fluroxypyr or triclopyr to enhance control of emerged broadleaf weeds

Amicarbazone DF may also be tank mixed with preemergence herbicides for residual control of crabgrass species and other summer annual weeds

Do not apply Amicarbazone DF to perennial ryegrass that has received an application of products that contain mefludide within the previous 3 months unless severe injury and/or removal is acceptable

Crabgrass Species Control in St Augustinegrass
Amicarbazone DF at 3 0 to 5 0 oz/A may be used for the control of emerged blanket crabgrass and other crabgrass species (with the exception of India crabgrass) in established St Augustinegrass Apply this rate on a 1 to 3 week interval for up to three applications but do not exceed a maximum of 10 0 oz/A per year St Augustinegrass may be moderately injured by amicarbazone Complete recovery will occur two to four weeks after the last application

Weed Control in Conifers in Nurseries and Field Plantings (including Christmas trees)

Amicarbazone DF can be used over the top or as a directed spray under the canopy in conifer nurseries and field plantings (including Christmas trees) Apply Amicarbazone DF at 4 10 0 oz/A to actively growing weeds listed above Repeat applications may be made but do not exceed 10 0 oz/A per year

RESTRICTION Do not use a mechanically pressurized handgun for application to Christmas trees

STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage and 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 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 help with any spill leak fire or exposure involving this material call day or night CHEMTREC (703) 527 3887 or (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

CONTAINER HANDLING

Rigid nonrefillable in containers small enough to shake (5 gallons or 50 pounds or less)
Nonrefillable container
Do not reuse or refill this container Triple rinse container (or equivalent) promptly after emptying Triple Rinse as follows Empty the remaining contents into application equipment or a mix tank Fill the container ¼ 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 Offer for recycling if available or dispose of in a sanitary landfill or by incineration or if allowed by state and local authorities by burning If burned stay out of smoke

Rigid nonrefillable in containers too large to shake (greater than 5 gallons or 50 pounds)
Nonrefillable container
Do not reuse or refill this container Triple rinse container (or equivalent) promptly after emptying Triple Rinse as follows Empty remaining contents into application equipment or a mix tank Fill the container ¼ full with water Replace and tighten closures Tip container on its side and roll it back and forth ensuring at least on complete revolution for 30 seconds Stand the container on its end and tip it back and forth several times Turn the container over onto its other end and tip it back and forth several times Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal Repeat this procedure two more times Offer for recycling if available or dispose of in a sanitary landfill or by incineration or if allowed by state and local authorities by burning If burned stay out of smoke

Fiber Drum with liner or Super Sak
Nonrefillable 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 Offer for recycling if available or dispose of in a sanitary landfill or by incineration or if allowed by state and local authorities by burning If burned stay out of smoke If drum is contaminated dispose of it in the manner required for its liner

Pouch in Container
Nonrefillable container
Do not reuse this container for any other purpose Offer container and foil pouch for recycling if available or dispose of empty pouch and container in sanitary landfill or by other procedures approved by state and local authorities

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 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 LifeScience North America LLC 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 LifeScience North America LLC and is subject to the inherent risks described above

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