

66330-46

7/3/2012

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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 - 3 2012

Subject Amicarbazone DF Herbicide
Proposed Revised Primary Brand Name Amicarbazone WDG Herbicide
EPA Reg No 66330-46
Label Amendment
Submission Dated April 3, 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

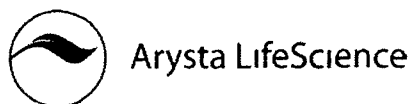
A stamped copy of your label is enclosed for your records This label supersedes all previously accepted labels You must submit one (1) copy of the final printed label before you release the product for shipment Products shipped after eighteen (18) months from the date of this letter or the next printing 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,

A handwritten signature in black ink, appearing to read "Kathryn Montague".

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



ACCEPTED

2/22

JUL - 3 2012

GROUP 5 HERBICIDE

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66330-46

Amicarbazone WDG 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-1H-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	
For Product Information call 1 866-761 9397	

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

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

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 ADVISORY

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

Amicarbazone WDG Herbicide has properties which may result in ground water contamination Use of Amicarbazone WDG 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 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 WDG Herbicide is a selective herbicide for control of important annual broadleaf weeds in field corn and corn grown for silage

Amicarbazone WDG Herbicide 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 WDG/A

Amicarbazone WDG Herbicide is formulated as a 70 % water dispersible granule (WDG) herbicide. Amicarbazone WDG 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) preemergence and postemergence. Amicarbazone WDG 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 WDG Herbicide's mode of action is inhibition of photosynthesis at photosystem II.

Apply Amicarbazone WDG 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 WDG Herbicide can be applied using either water or sprayable grade fluid fertilizer as a liquid carrier or by impregnating on dry bulk fertilizer.

In turf applications, water is the recommended liquid carrier for Amicarbazone WDG Herbicide.

RESISTANCE MANAGEMENT

For resistance management, Amicarbazone WDG Herbicide is an Herbicide Resistance Action Committee (HRAC) Group C₁ 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 WDG Herbicide with herbicides that have a different mode of action.

Amicarbazone WDG Herbicide 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 WDG 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 WDG 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 greater than 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 WDG Herbicide per season
- Do not apply more than 10.25 oz/A of Amicarbazone WDG 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 WDG Herbicide 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 WDG Herbicide to newly established (within six months) turfgrasses unless otherwise directed on this label
- 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
- Allow at least 1 week between last application and overseeding with winter grasses
- Apply to actively-growing weed populations
- Does not control perennial broadleaf weeds in turf

CORN

Amicarbazone WDG 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 WDG Herbicide on coarse-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 WDG 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 WDG 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 WDG 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 WDG 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 WDG Herbicide is lost only corn may be replanted immediately. Do not apply more than 10.25 oz/A of Amicarbazone WDG Herbicide per season.

MIXING INSTRUCTIONS

LIQUID CARRIERS

Amicarbazone WDG Herbicide is a water dispersible granule herbicide that must be mixed in water or sprayable fluid fertilizer. Amicarbazone WDG Herbicide can be directly added to water or to 28-0-0 or 32-0-0 liquid fertilizers. Compatibility of Amicarbazone WDG Herbicide with its labeled tank mix products in other liquid carriers should always be predetermined prior to spraying. Refer to the **SPRAYABLE LIQUID FERTILIZER COMPATIBILITY TEST** of this label to determine product compatibility in fluid carriers.

Before mixing Amicarbazone WDG 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 WDG 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 WDG Herbicide to the spray tank Slowly add Amicarbazone WDG 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 dry flowables or other water dispersible granule 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 WDG 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 WDG 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 coarse 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 surface 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 during temperature inversions Always make applications when there is some air movement to determine the direction and distance of possible spray drift

Equipment

All ground equipment must be properly maintained and calibrated using appropriate carriers or surrogates

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

Ground Broadcast Treatment

Accurately calibrate the sprayer prior to mixing the herbicide treatments. Apply Amicarbazone WDG 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 WDG Herbicide either alone or in recommended tank mixtures in conventional conservation or no till crop management systems as a preplant surface preplant incorporated preemergence or post emergence application. Do not apply when environmental conditions favor drift.

Early postemergence application may not be made if preemergence applications have been made in the spring.

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

Preplant Surface

Apply Amicarbazone WDG Herbicide alone or as a recommended tank mixture as a broadcast spray before planting corn. Amicarbazone WDG 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 WDG 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 WDG 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 WDG 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 tilling 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.

Early Postemergence

Tank mix Amicarbazone WDG Herbicide with various recommended herbicides to enhance control of broadleaf weeds when applied early postemergence. Apply Amicarbazone WDG 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. Note the

application within the most restrictive labeled timing between Amicarbazone WDG 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 WDG Herbicide postemergence or crop injury may occur The maximum seasonal rate for early postemergence 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 WDG 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 corn planted the following spring Till the soil before or after application with incorporation depth of no more than two inches following herbicide application If a spring application of Amicarbazone WDG Herbicide follows the fall application the total Amicarbazone WDG 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 WDG 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 of no more than two inches following herbicide application If a spring application of Amicarbazone WDG Herbicide follows the fall application the total Amicarbazone WDG 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 / Preemergence Burndown

If weeds are present at the time of treatment a tank mixture of Amicarbazone WDG 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 WDG 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 WDG 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 Morningglory spp ² Pepperweed Virginia Purslane common Smartweed Penn Velvetleaf	Jimsonweed Mustard wild Pigweed redroot ¹ Ragweed common Speedwell spp Waterhemp tall ¹	Lambsquarters spp ¹ Pennycress field Pigweed spp ¹ Shepherdspurse Sunflower wild 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 WDG 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		
ANNUAL GRASS WEEDS		
Barnyardgrass Foxtail spp	Cheat Lovegrass India	Crabgrass spp Panicum fall
ANNUAL BROADLEAF WEEDS		
Cocklebur common ² Horsenettle Ragweed giant ²	Hemp sesbania Kochia ¹ Prickly sida	Henbit 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 WDG 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 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 WDG 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 WDG Herbicide according to your cropping management and soil characteristics.

Use rate specifications for Amicarbazone WDG Herbicide are shown in tables titled **Soil Applied Conventional Tillage and Postemergence Soil Applied Conventional Tillage**. These tables describe Amicarbazone WDG Herbicide soil applied use rates for the Eastern Corn Belt and Western Corn Belt, respectively. The Postemergence table contains use rate information for Amicarbazone WDG Herbicide applied postemergence.

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

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

Do not use Amicarbazone WDG Herbicide when soil pH is greater than 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
Preemergence (surface from planting to prior to emergence)		
Use the <u>higher</u> rate of Amicarbazone WDG Herbicide within the applicable rate range when applying at or prior to planting for full season broadleaf weed control. Use the <u>lower</u> rate of Amicarbazone WDG 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 WDG 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	Rate oz/A
Prior to a planned sequential soil applied or postemergence application or in tank mixture with full rates of a broad spectrum herbicide treatment	
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
Preemergence (surface from planting to prior to emergence)	

POSTEMERGENCE 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 WDG 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 WDG Herbicide with various recommended herbicides to enhance control of broadleaf weeds when applied post directed to field corn. Apply Amicarbazone WDG 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 WDG Herbicide and any selected tank mix partner (see **Tank Mix and Sequential Herbicide Combinations** section of this label).

POSTEMERGENCE	
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 labels ¹	
Postemergence (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 WDG Herbicide postemergence. 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 spray able 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 WDG 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 WDG 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 WDG Herbicide with metribuzin

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 WDG HERBICIDE INCLUDE		
Atrazine products	Banvel [®]	Bicep II
Clarity [®]	Dual II Magnum [®]	Magnum [®]
Frontier [®]	Fultime [®]	Glyphosate
Gramoxone Extra [®]	Guardsman [®]	Harness [®]
Harness Xtra [®]	Lasso [®]	Marksman [®]
Prowl [®]	Roundup [®]	TopNotch [®]
Touchdown [®]	2 4-D products	
HERBICIDES RECOMMENDED FOR POSTEMERGENCE USE ONLY		
Accent [®]		
HERBICIDES RECOMMENDED FOR PREPLANT APPLICATIONS ONLY USE SEQUENTIALLY WITH AMICARBAZONE WDG HERBICIDE SEPARATING APPLICATIONS BY AT LEAST 30 DAYS DO NOT TANK MIX WITH AMICARBAZONE WDG HERBICIDE		
Balance [®]		
HERBICIDES RECOMMENDED FOR POSTEMERGENCE TANK MIX 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 WDG Herbicide

Waiting periods after Amicarbazone WDG 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 WDG Herbicide 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 WDG Herbicide where annual bluegrass is maintained as a desirable turf

Turfgrass Tolerance

Apply to turfgrasses established for six months unless otherwise directed on this label With the exception of Kentucky Bluegrass cool season turfgrasses established in the fall months can be treated the following spring Kentucky bluegrass should be established for twelve months before application of Amicarbazone WDG Herbicide The use of Amicarbazone WDG Herbicide 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 WDG Herbicide

Cool-Season Turfgrasses¹	
Bentgrass Creeping	<i>Agrostis stolonifera</i>
Bluegrass, Kentucky	<i>Poa pratensis</i>
Fescue Fine	<i>Festuca spp</i>
Fescue Tall	<i>Festuca arundinacea</i>
Ryegrass Perennial	<i>Lolium perenne</i>
¹ Cool and warm season turfgrasses have demonstrated acceptable tolerance to Amicarbazone WDG Herbicide However not all cultivars have been evaluated	

Warm-Season Turfgrasses¹	
Bahiagrass	<i>Paspalum notatum</i>
Bermudagrass	<i>Cynodon dactylon</i>
Buffalograss	<i>Buchloe dactyloides</i>
Centipedegrass	<i>Eremochloa ophiuroides</i>
Kikuyugrass	<i>Pennisetum clandestinum</i>
Seashore Paspalum	<i>Paspalum vaginatum</i>
St Augustinegrass	<i>Stenotaphrum secundatum</i>
Zoysiagrass	<i>Zoysia japonica</i>
¹ Cool and warm-season turfgrasses have demonstrated acceptable tolerance to Amicarbazone WDG Herbicide 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 IN UNACCEPTABLE INJURY

DO NOT APPLY AMICARBAZONE WDG HERBICIDE 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 ESPECIALLY TO ST AUGUSTINEGRASS

APPLICATION RESTRICTIONS

- Apply Amicarbazone WDG 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 WDG Herbicide 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**.
Mixing Instructions - Liquid Carriers

Amicarbazone WDG Herbicide is a water dispersible granule formulation that must be mixed in water or The proper mixing sequence for Amicarbazone WDG 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 or water
- 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 WDG Herbicide to the spray tank
- 5 If tank mixing with wettable powders dry flowables or other water dispersible granule 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 Amicarbazone WDG Herbicide and all registered mixtures should be kept agitated once mixed and then sprayed out
- 9 Do not allow mixtures to stand for prolonged periods of time

Compatibility

If Amicarbazone WDG Herbicide can 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 WDG Herbicide the sprayer must be thoroughly 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 WDG Herbicide 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.

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

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 stationary 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 WDG Herbicide postemergence to actively growing broadleaf and grass weeds.

Do not apply when environmental conditions favoring drift.

Amicarbazone WDG Herbicide 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

Depending on the use rate, Amicarbazone WDG Herbicide will control or suppress the following broadleaf and grass weeds in turf.

WEEDS CONTROLLED or SUPPRESSED by AMICARBAZONE WDG HERBICIDE	
Alexandergrass	Lambsquarters common
Betony Florida (suppression)	Mustard wild
Bittercress hairy	Parsley piert
Bluegrass annual (annual and perennial biotypes)	Pennycress field
Burweed lawn (spurweed)	Pepperweed Virginia
Carpetweed	Pigweed spp
Chickweed common	Purslane common
Chickweed sticky	Radish wild
Clover hop (suppression)	Shepherd spurse
Crabgrass spp (suppression) (does not control India crabgrass (<i>Digitaria longiflora</i>))	Sida prickly (suppression)
Creeping beggarweed (suppression)	Smartweed Pennsylvania
Cudweed spp	Speedwell spp
Diamond flower old world (suppression)	Spurge spotted
Henbit	Toadflax oldfield

TIMING AND RATES OF APPLICATION

Cool Season Turfgrasses

Annual bluegrass 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 WDG Herbicide. 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 WDG Herbicide in the spring months two to four weeks after the resumption of active bentgrass growth at 1.0 oz Amicarbazone WDG/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 WDG Herbicide at air temperatures ranging from 55 to 80 F
- Do not apply Amicarbazone WDG Herbicide 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 WDG Herbicide to creeping bentgrass greens in the summer or early fall months
- Do not apply Amicarbazone WDG Herbicide to creeping bentgrass greens exhibiting stress from adverse weather pests diseases chemicals mechanical injury or other related stress factors
- Do not apply Amicarbazone WDG Herbicide to creeping bentgrass that has received an application of products that contain mefludide within the previous 3 months

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 WDG Herbicide is effective in controlling *Poa annua* and is recommended only for creeping bentgrass with 10% or less population density of *Poa annua* Applications to creeping bentgrass with high populations (>10%) of *Poa annua* can result in a decrease of overall turf quality due to the rapid 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 The implementation of cultural practices to hasten the growth of creeping bentgrass will aid in the healing process Treated areas may be reseeded at 7 or more days after the last application of Amicarbazone WDG Herbicide

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

Amicarbazone WDG Herbicide 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 WDG Herbicide prior to using Amicarbazone WDG Herbicide in order to determine its suitability for *Poa annua* management on putting greens Arysta LifeScience North America LLC makes Amicarbazone WDG Herbicide 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 Amicarbazone WDG Herbicide must be made by each individual end user of Amicarbazone WDG Herbicide on the basis of possible injury to creeping bentgrass and of reduced putting green quality due to 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 WDG Herbicide on creeping bentgrass putting greens This warranty disclaimer 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 WDG Herbicide 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 WDG Herbicide in the spring months two to four weeks after the resumption of active bentgrass growth at 1.0 oz Amicarbazone WDG/A Repeat the application at 7 day intervals for a maximum of up to 4 applications Repeat applications should be made in an alternate direction to the previous application

- Apply Amicarbazone WDG Herbicide at air temperatures ranging from 55 to 80 F
- Do not apply Amicarbazone WDG Herbicide 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 WDG Herbicide to creeping bentgrass tees in the summer or early fall months
- Do not apply Amicarbazone WDG Herbicide to creeping bentgrass tees exhibiting stress from adverse weather pests diseases chemicals mechanical injury or other related stress factors
- Do not apply Amicarbazone WDG Herbicide to creeping bentgrass that has received an application of products that contain mefludide within the previous 3 months

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 have not been evaluated and should be tested on a small scale basis before widespread use.

Amicarbazone WDG Herbicide is effective in controlling *Poa annua* and is recommended only for creeping bentgrass with a 10% or less population density of *Poa annua*. Applications to creeping bentgrass with high populations (>10%) of *Poa annua* can result in a decrease of overall turf quality due to the rapid 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. The implementation of cultural practices to hasten the growth of creeping bentgrass will aid in the healing process. Treated areas may be reseeded at 7 or more days after the last application of Amicarbazone WDG Herbicide.

Creeping Bentgrass Fairways and Roughs

Creeping bentgrass (A1, A4, G6, L93, Pennway, Penncross and Seaside) has demonstrated acceptable tolerance to Amicarbazone WDG Herbicide. 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 WDG Herbicide in the spring months, two to four weeks after the resumption of active bentgrass growth, at 1.0 oz Amicarbazone WDG/A. Repeat the application at 7 day intervals for a maximum of up to 4 applications. Repeat applications should be made in an alternate direction to the previous application. 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 should be tested on a small scale basis before widespread use.

- Apply Amicarbazone WDG Herbicide at air temperatures ranging from 55 to 80 F
- Do not apply Amicarbazone WDG Herbicide to creeping bentgrass 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 WDG Herbicide to creeping bentgrass in the summer or early fall months
- Do not apply Amicarbazone WDG Herbicide to creeping bentgrass exhibiting stress from adverse weather pests diseases chemicals mechanical injury or other related stress factors
- Amicarbazone WDG Herbicide is effective in controlling *Poa annua* and is recommended only for creeping bentgrass with a 10% or less population/density of *Poa annua*. Applications to creeping bentgrass with high populations (>10%) of *Poa annua* can result in a decrease of overall turf quality due to the rapid 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 WDG Herbicide.
- Do not apply Amicarbazone WDG Herbicide to creeping bentgrass that has received an application of products that contain mefludide within the previous 3 months.

Alternatively, apply Amicarbazone WDG Herbicide in the spring months, two to four weeks after the resumption of active bentgrass growth, at 2.0 to 3.0 oz Amicarbazone WDG/A for annual bluegrass control. Repeat the application at 14 to 21 day intervals for a maximum of 2 applications.

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

Fine Fescues Tall Fescue, and Perennial Ryegrass

For annual bluegrass control Amicarbazone WDG Herbicide may be applied twice at 2.0 to 4.0 oz Amicarbazone WDG/A at 14 to 21 day intervals

Amicarbazone WDG Herbicide 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 WDG Herbicide 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 WDG Herbicide.

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

Do not apply Amicarbazone WDG Herbicide to perennial ryegrass, tall fescue, or fine fescue that has received an application of products that contain mefludide within the previous 3 months.

Kentucky Bluegrass

For annual bluegrass control Amicarbazone WDG Herbicide may be applied twice at 2.0 oz per acre at 14-21 day intervals in the spring months. Alternatively, apply Amicarbazone WDG Herbicide in the spring months at 1.0 oz Amicarbazone WDG/A. Repeat the application at 7 day intervals for a maximum of up to 4 applications. Repeat applications should be made in an alternate direction to the previous application.

Amicarbazone WDG Herbicide 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 WDG Herbicide 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.

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

Kentucky Bluegrass should be established for twelve months before application of Amicarbazone WDG Herbicide.

Do not apply Amicarbazone WDG Herbicide to Kentucky bluegrass that has received an application of products that contain mefludide within the previous 3 months.

Warm Season Turfgrasses

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

Annual bluegrass and annual broadleaf weed control

Amicarbazone WDG Herbicide may be applied postemergence to tolerant warm season turf at rates of 3.0 to 10.0 oz/A. Amicarbazone WDG Herbicide may be applied to warm season turfgrasses that are dormant, partially dormant, or actively-growing. NOTE: Do not use Amicarbazone WDG Herbicide on St. Augustinegrass in the summer months when air temperatures are greater than 90 F. When using low rates (3.0 to 5.0 oz/A), repeat applications are recommended but the maximum rate per season must not exceed 10.0 oz of Amicarbazone WDG/A. Repeat applications should be made 2 to 3 weeks after the initial application.

Amicarbazone WDG Herbicide can be tank mixed with labeled herbicides that contain metsulfuron, 2,4-D, dicamba or mixtures of 2,4-D, MCPP, clopyralid, dicamba, fluroxypyr or triclopyr to enhance control of emerged broadleaf weeds. If sedge species are present on the site, Amicarbazone WDG Herbicide can be tank mixed with herbicides labeled 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 WDG Herbicide and any tank mix partner

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

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

Amicarbazone WDG Herbicide 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 Additional spring applications will be required to control annual bluegrass that emerges over the following months

AMICARBAZONE WDG HERBICIDE APPLIED TO SEEDLING *POA TRIVIALIS* WILL RESULT IN SEVERE TURF INJURY

In early- to mid spring months Amicarbazone WDG Herbicide 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 14 to 21 days 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 three months after seeding Perennial ryegrass clipped at 0.5 to 0.75 inch has shown good tolerance to Amicarbazone WDG Herbicide at rates up to 4.0 oz/A Temporary injury to perennial ryegrass may occur for 1 to 2 weeks after application Amicarbazone WDG Herbicide 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 WDG Herbicide 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 WDG Herbicide to emerged *Poa trivialis* unless the objective is suppress or remove it

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

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

Crabgrass Species Control in St. Augustinegrass

Amicarbazone WDG Herbicide 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 WDG Herbicide 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 WDG Herbicide 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 WDG Herbicide 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 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available or dispose of in a sanitary landfill or by incineration.

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 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one 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.

Fiber Drum with liner or Super Sack

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. 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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