

10163-300

4/10/2009

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms Krystal Hengl
Gowan Company
PO BOX 5569
Yuma, AZ 85366

APR 10 2009

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4 and 98-10

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 and 98-10 dated February 18, 2009 for:

EPA Registration 10163-300 GWN-3123 WDG Herbicide

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and 98-10, and finds that the label change(s) requested falls within the scope of PRN-2007-4 and 98-10. The label has been date-stamped "Notification" and will be placed in our records.

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

If you have any questions, please contact me directly at 703-305-6249 or Banza Djapao of my staff at 703-305-7269.

Sincerely,

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

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

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0080

Print Form

	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input checked="" type="checkbox"/> Amendment <input type="checkbox"/> Other	OPP Identifier Number
	Application for Pesticide - Section I		

1. Company/Product Number 10163-300	2. EPA Product Manager Jim Tompkins, 703-305-5697	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) GWN-3123 WDG Herbicide	PMS# 25	
5. Name and Address of Applicant (Include ZIP Code) Gowan Company PO Box 5569, Yuma, AZ 85366-5569 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: <div align="center"> NOTIFICATION EPA Reg. No. _____ Product Name _____ APR 10 2009 </div>

Section - II

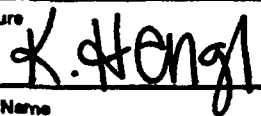
<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
 Update to Storage and Disposal Section per PR Notice 2007-4.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	* Certification must be submitted	If "Yes" Unit Packaging wgt. No. per container If "Yes" Package wgt No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 20 oz		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Krystal Hengl	Title Registration Specialist	Telephone No. (Include Area Code) 928-819-1526
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registration Specialist	
4. Typed Name Krystal Hengl	5. Date March 24, 2009	

February 18, 2009

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7508P)
US Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive (South Tower)
Arlington, Virginia 22202

ATTN: Jim Tompkins, PM Team 25 (703) 305-5697
Herbicide Branch, Registration Division (7505C)

RE: GWN-3123 WDG Herbicide, EPA Reg. No. 10163-300
Labeling Revisions Required by "Pesticide Management and Disposal; Standards for Pesticide Containers and Containment"

Dear Mr. Tompkins:

Gowan Company submits the enclosed revised label for GWN-3123 WDG Herbicide in order to comply with EPA Pesticide Registration Notice (PR) 2007-4: Labeling Revisions Required by the Final Rule "Pesticide Management and Disposal; Standards for Pesticide Containers and Containment." It has the following revisions:

- Page 2: Changed typo on weed list from "Pineabbleweed" to "Pineappleweed."
- In the Storage and Disposal section, we have changed the wording per EPA Container/Containment Rule.

In support of this application, we have enclosed the following documents:

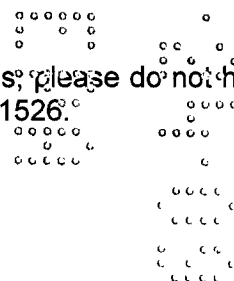
- Application for Pesticide (EPA Form 8570-1)
- Proposed Label (1 marked copy)

Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for the product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Thank you in advance for your efforts. If you have any questions or concerns, please do not hesitate to contact me via e-mail at KHengl@gowanco.com, or by phone at (928) 819-1526.

Sincerely,


Krystal Hengl
Registration Specialist



Re: Change by notification for EPA Reg. No. 10163-300

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Kind regards,

Krystal Hengl
928-819-1526

5 of 14

GWN-3123 WDG Herbicide

Dry Flowable

For Use on Wheat (including Durum), Barley, Oat, Triticale and Fallow

ACTIVE INGREDIENTS:	% By Wt.
Thifensulfuron-methyl	
Methyl 3-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-2-thiophenecarboxylate	50.0%
Tribenuron-methyl	
Methyl-2-[[[[(N-(4-methoxy-6-methyl-1,3,5-triazin-2-yl) methylamino]carbonyl]amino]sulfonyl]benzoate	25.0%
OTHER INGREDIENTS:	25.0%
	TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

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.)

FIRST AID	
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything to an unconscious person.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-888-478-0798 for emergency medical treatment information.</p>	

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Avoid contact with skin or clothing.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions for Category A on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves Category A (such as butyl rubber, natural rubber, neoprene rubber or nitrile rubber) ≥ 14 mls.
- Shoes plus socks.

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

USER SAFETY RECOMMENDATIONS
<p>Users should:</p> <ul style="list-style-type: none"> • Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

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 contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

PESTICIDE HANDLING

- Calibrate sprayers only with clean water away from the well site.
- Make scheduled checks of spray equipment.
- Ensure that all operation employees accurately measure pesticides.
- Mix only enough product for the job at hand.
- Avoid overfilling of spray tank.
- Do not discharge excess material on the soil at a single spot in the field, grove, or mixing/loading station.
- Dilute and agitate excess solution and apply at labeled rates or uses.
- Avoid storage of pesticides near well sites.
- When triple-rinsing the pesticide container, be sure to add the rinsate to the spray mix.

NOTIFICATION

APR 10 2009

NET CONTENTS _____ POUNDS



60914

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.

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

- Coveralls.
- Chemical-resistant gloves Category A (such as butyl rubber, natural rubber, neoprene rubber or nitrile rubber) \geq 14 mls.
- Shoes plus socks.

GWN-3123 WDG Herbicide is recommended for use on wheat, barley, oat, triticale, and fallow in most states. Check with your state extension or Dept. of Agriculture before use, to be certain GWN-3123 WDG Herbicide is registered in your state.

Gowan Company will not be responsible for losses or damages resulting from the use of this product in any manner not specifically recommended by Gowan Company.

GENERAL INFORMATION

GWN-3123 WDG Herbicide is a dry flowable granule that is used for selective postemergence weed control in wheat (including durum), barley, oat, triticale and fallow. The best control is obtained when GWN-3123 WDG Herbicide is applied to young, actively growing weeds. The use rate will depend on weed spectrum and size of weed at time of application. The degree and duration of control may depend on the following:

- Weed spectrum and infestation intensity
- Weed size at application
- Environmental conditions at and following treatment

GWN-3123 WDG Herbicide is noncorrosive, nonflammable, nonvolatile, and does not freeze. GWN-3123 Herbicide should be mixed in water and applied as a uniform broadcast spray.

ENVIRONMENTAL CONDITIONS AND BIOLOGICAL ACTIVITY

GWN-3123 WDG Herbicide is absorbed primarily through the foliage of plants, rapidly inhibiting the growth of susceptible weeds. One to three weeks after application to weeds (2 to 5 weeks for wild garlic), leaves of susceptible plants appear chlorotic, and the growing point subsequently dies.

GWN-3123 WDG Herbicide provides the best control in vigorously growing crops that shade competitive weeds. Weed control in areas of thin crop stand or seeding skips may not be as satisfactory. However, a crop canopy that is too dense at application can intercept spray and reduce weed control.

The herbicidal action of GWN-3123 WDG Herbicide may be affected in crops stressed from adverse environmental conditions (such as extreme temperatures or moisture), abnormal soil conditions, cultural practices, or variations in crop variety. In warm, moist conditions, the expression of herbicide symptoms is accelerated; in cold, dry conditions, expression of herbicide symptoms is delayed. In addition, weeds hardened-off by drought stress are less susceptible to GWN-3123 WDG Herbicide.

WEEDS CONTROLLED – ALL USES

GWN-3123 WDG Herbicide effectively controls the following weeds when used according to label directions:

- | | | |
|----------------------------------|-----------------------------|-----------------------------|
| Annual knawel | Curly dock | Redmaids |
| Annual sowthistle | False chamomile | Redroot pigweed |
| Black mustard | Field chickweed | Russian thistle* |
| Blue/Purple mustard | Field pennycress | Scentless chamomile/mayweed |
| Broadleaf dock | Filaree (redstem, Texas) | Shepherdspurse |
| Bur buttercup | Flixweed | Slimleaf lambsquarters |
| Bushy wallflower/Treacle mustard | Green smartweed | Smallflower buttercup |
| Clasping pepperweed | Henbit | Smallseed falseflax |
| Coast fiddleneck | Kochia* | Stinking chickweed |
| Common buckwheat | Ladysthumb | Stinking mayweed/dogfennel |
| Common chickweed | Lanceleaf sage* | Swinecress |
| Common cocklebur* | London rocket | Tansymustard |
| Common groundsel | Marshelder | Tarweed fiddleneck |
| Common lambsquarters | Mayweed chamomile | Tumble/Jim Hill mustard |
| Common radish | Miners lettuce | Volunteer lentils |
| Common ragweed* | Narrowleaf lambsquarters | Volunteer peas |
| Common sunflower | Nightflowering catchfly | Volunteer sunflower |
| Corn chamomile | Pennsylvania smartweed | Wild buckwheat* |
| Corn gromwell* | Pineappleweed-Pineappleweed | Wild chamomile |
| Corn spurry | Prickly lettuce* | Wild garlic* |
| Cowcockle | Prostrate knotweed | Wild mustard |
| Cress (mouse-ear) | Prostrate pigweed | Wild radish* |

* See SPECIFIC WEED PROBLEMS for more information.

WEEDS PARTIALLY CONTROLLED**

GWN-3123 WDG Herbicide partially controls the following weeds when used according to label directions:

- | | | |
|--------------------|-----------------------------|------------------------|
| Canada thistle* | Cutleaf eveningprimrose | Vetch* (common, hairy) |
| Carolina geranium | Mallow (common, little) | |
| Catchweed bedstraw | Nightshade (cutleaf, hairy) | |

* See SPECIFIC WEED PROBLEMS for more information.

** Partial control: A visual reduction of weed population as well as a significant loss of vigor. For better results, use the highest recommended rate of GWN-3123 WDG Herbicide per acre and include a tank mix partner such as 2,4-D, MCPA, Buctril® or Banvel®/Banvel SGF/Clarity® (refer to TANK MIXTURES).

**FALLOW
APPLICATION INFORMATION
USE RATE**

Apply 0.3 to 0.6 oz. GWN-3123 WDG Herbicide per acre to fallow. Two applications of GWN-3123 WDG Herbicide may be made provided the total amount applied does not exceed 1.0 oz. per acre per crop season.

GWN-3123 WDG should be applied in combination with other suitable registered fallow herbicides such as Landmaster II®, Fallow Master, Roundup plus 2,4-D (ester formulations work best), Roundup® plus Banvel/Banvel SGF/Clarity, 2,4-D, Banvel/Banvel SGF/Clarity.

APPLICATION TIMING

GWN-3123 WDG Herbicide may be used as a fallow treatment, in the spring or fall when the majority of weeds have emerged and are actively growing.

TANK MIXTURES IN FALLOW

GWN-3123 WDG Herbicide may be used as a fallow treatment, and should be tank mixed with other herbicides that are registered for use in fallow.

Read and follow all manufacturer's label recommendations for the companion herbicide. If those recommendations conflict with this label, do not tank mix the herbicide with GWN-3123 WDG Herbicide.

**PRE-PLANT BURNDOWN
APPLICATION INFORMATION
USE RATE**

WHEAT (INCLUDING DURUM), BARLEY, TRITICALE AND OAT

Apply 0.3 to 0.6 oz. GWN-3123 WDG Herbicide per acre as a burndown treatment to wheat (including durum), barley, triticale, and oat to control emerged weeds prior to, or shortly after planting (prior to emergence). Make applications when the majority of weeds have emerged and are actively growing.

COTTON

Apply 0.3 to 0.5 oz. GWN-3123 WDG Herbicide per acre as a burndown treatment to cotton. Allow at least 14 days between application of GWN-3123 WDG and planting of cotton. Include a nonionic surfactant, petroleum based crop oil concentrate, or vegetable seed oil-based product (methylated seed oils are considered a vegetable seed-based oil). If another herbicide is tank mixed with GWN-3123 WDG Herbicide to increase the broadleaf weed spectrum, select adjuvants based on the adjuvant limitations of the companion herbicide.

SUGARBEETS, WINTER RAPE AND CANOLA

Apply 0.3 to 0.6 oz. GWN-3123 WDG per acre as a burndown treatment to sugarbeets, winter rape and canola. Allow at least 60 days between application of GWN-3123 WDG and planting of sugarbeets, winter rape and canola.

ANY OTHER CROP (SUCH AS CORN, RICE, GRAIN SORGHUM OR SOYBEANS)

Apply 0.3 to 0.6 oz. GWN-3123 WDG Herbicide per acre as a burndown treatment to any other crop (such as corn, rice, grain sorghum or soybeans). Allow at least 45 days between application of GWN-3123 WDG Herbicide and planting of any other crop (such as corn, rice, grain sorghum or soybeans).

Sequential treatments of GWN-3123 WDG Herbicide may also be made provided the total amount of GWN-3123 WDG Herbicide applied during one fallow/pre-plant cropland season does not exceed 1.0 oz. per acre; for example, 0.5 oz. in the fall followed by 0.5 oz. in the spring. Use the 0.6 oz. per acre rate when weed infestation is heavy and predominately consists of those weeds listed under PARTIAL CONTROL, or when application timing and environmental conditions are marginal. (See APPLICATION TIMING Section for restriction on planting intervals.)

TANK MIXTURES IN PRE-PLANT BURNDOWN

GWN-3123 WDG Herbicide may be used as a pre-plant burndown treatment alone or tank mixed with other herbicides that are registered for use as a pre-plant burndown product, such as Landmaster II, Fallow Master, Roundup plus Banvel/Banvel SGF/Clarity, or Banvel/Banvel SGF/Clarity alone.

Read and follow manufacturer's label recommendations for the companion herbicide. If those recommendations conflict with this label, follow the most restrictive labeling (such as planting interval after application), or do not tank mix the herbicide with GWN-3123 WDG Herbicide.

**CEREALS
APPLICATION INFORMATION
USE RATE**

Do not use less than 0.3 oz. GWN-3123 WDG per acre.

WHEAT (INCLUDING DURUM), BARLEY AND TRITICALE

Apply 0.3 to 0.6 oz. GWN-3123 WDG Herbicide per acre to wheat (including durum), barley or triticale. Two applications of GWN-3123 WDG Herbicide may be made provided the total amount applied does not exceed 1.0 oz. per acre per crop season.

Use 0.3 to 0.4 oz. GWN-3123 WDG Herbicide per acre for light infestation of the weeds listed under WEEDS CONTROLLED. Conditions at application should be optimum for effective treatment of these weeds.

Use 0.5 oz. GWN-3123 WDG Herbicide per acre for heavy infestation of weeds listed under WEEDS PARTIALLY CONTROLLED.

Use 0.6 oz. GWN-3123 WDG Herbicide per acre for heavy infestation of weeds listed under WEEDS PARTIALLY CONTROLLED when application timing and environmental conditions are marginal (refer to ENVIRONMENTAL CONDITIONS AND BIOLOGICAL ACTIVITY for best performance).

OAT (SPRING AND WINTER)

Apply 0.3 to 0.4 oz. GWN-3123 WDG Herbicide per acre for control of weeds listed in WEEDS CONTROLLED table. Do not make more than one application of GWN-3123 WDG Herbicide per crop season on oat.

**APPLICATION TIMING
WHEAT (INCLUDING DURUM), BARLEY, WINTER OAT AND TRITICALE**

Make applications after the crop is in the 2-leaf stage, but before the flag leaf is visible.

SPRING OAT

Make applications after the crop is in the 3-leaf stage, but before jointing.

Do not use on Ogle, Porter or Premier varieties as crop injury can occur.

Since GWN-3123 WDG Herbicide has very little or no soil activity, it controls only those weeds that have germinated; therefore, apply GWN-3123 WDG Herbicide when all or most of the weeds have germinated. Annual broadleaf weeds should be past the cotyledon stage, actively growing, and less than 4" tall or wide. Wild garlic plants should be less than 12" tall with 2" to 4" of new growth. See SPECIFIC WEED PROBLEMS for more information.

Rainfall immediately after treatment can wash GWN-3123 WDG Herbicide off of weed foliage, resulting in reduced weed control. Several hours of dry weather are needed to allow GWN-3123 WDG Herbicide to be sufficiently absorbed by weed foliage.

SPECIFIC WEED PROBLEMS – CEREALS

Canada thistle: For control in wheat, barley and triticale use 0.6 oz. per acre plus surfactant when all thistles are 4" to 8" with 2" to 6" of new growth. Make the application in the spring. Control will be improved by using GWN-3123 WDG Herbicide in combination with 2,4-D (refer to TANK MIXTURES).

For control in oat, use 0.4 oz. GWN-3123 WDG Herbicide per acre plus 2,4-D (refer to TANK MIXTURES).

Common cocklebur, Common ragweed, Lanceleaf sage: In wheat, barley and triticale, apply GWN-3123 WDG Herbicide at 0.4 to 0.5 oz. per acre in combination with 2,4-D at rates from ¼ to 3/8 lb. active ingredient (ester formulations work best) when weeds are small and actively growing. When using ¼ lb. active ingredient of 2,4-D, be sure to add surfactant at the rate of ¼ to ½ qt. per 100 gals. of spray solution (0.06 to 0.125% v/v – use the higher rate under stress conditions).

For control in oat, use 0.4 oz. GWN-3123 WDG Herbicide per acre plus 2,4-D. Refer to the TANK MIXTURES sections of this label for additional details.

Corn groomwell, Wild buckwheat: For control in wheat, barley and triticale use 0.5 to 0.6 oz. GWN-3123 WDG Herbicide per acre plus surfactant.

For control in oat, use 0.4 oz. GWN-3123 WDG Herbicide per acre plus 2,4-D, MCPA or Buctril (refer to TANK MIXTURES).

Kochia, Russian thistle, Prickly lettuce: Naturally occurring resistant biotypes of these weeds are known to occur. For best results, use GWN-3123 WDG Herbicide in a tank mix with dicamba (such as Banvel/Banvel SGF/Clarity) and 2,4-D; or Bromoxynil (such as Buctril) and 2,4-D (3/4 – 1 pt. Buctril + ¼ - 3/8 lb. active ingredient 2,4-D ester). GWN-3123 WDG Herbicide should be applied in the spring when weeds are less than 2" tall or 2" across and are actively growing. Refer to the TANK MIXTURES section of this label for additional details.

Vetch (common and hairy): For control in wheat, barley and triticale, use 0.5 to 0.6 oz. of GWN-3123 WDG Herbicide per acre plus surfactant when vetch is less than 6" in length. For severe infestations of vetch, or when vetch is greater than 6" in length, use GWN-3123 WDG Herbicide in combination with 2,4-D or MCPA (refer to TANK MIXTURES section of this label).

For control in oat, use 0.4 oz. GWN-3123 WDG Herbicide per acre plus 2,4-D or MCPA (Refer to TANK MIXTURES).

Wild garlic: For control in wheat, barley and triticale, use 0.5 to 0.6 oz. GWN-3123 WDG Herbicide per acre plus surfactant when wild garlic plants are less than 12" tall with 2" to 4" of new growth. For severe infestations, use the 0.6 oz. per acre rate of GWN-3123 WDG Herbicide. Plants hardened-off by cold weather and/or drought stress may be more difficult to control. Thorough spray coverage of all garlic plants is essential. Typical symptoms of dying garlic plants may not be noticeable for 2 to 5 weeks.

Wild radish: For best results in wheat, barley and triticale, apply 0.4 to 0.6 oz. GWN-3123 WDG Herbicide per acre plus surfactant either in the fall or spring to wild radish rosettes less than 6" in diameter. Applications made later than 30 days after weed emergence will result in partial control. For increased control of severe wild radish infestations, or wild radish emerged greater than 30 days, apply GWN-3123 WDG Herbicide at 0.3 oz. per acre in combination with MCPA at ¼ lb. active ingredient per acre. Surfactant is required when tank mixing with MCPA, add 1 qt. per 100 gals. of spray solution (0.25% v/v). Fall applications should be made prior to hardening off of plants.

For control in oat, use 0.4 oz. GWN-3123 WDG Herbicide per acre plus 2,4-D or MCPA (refer to TANK MIXTURES).

TANK MIXTURES – CEREALS

GWN-3123 WDG Herbicide may be tank mixed with other suitable registered herbicides to control weeds listed as suppressed, weeds resistant to GWN-3123 WDG Herbicide or weeds not listed under WEEDS CONTROLLED. Read and follow all manufacturer's label recommendations for the companion herbicide. If those recommendations conflict with this label, do not tank mix the herbicide with GWN-3123 WDG Herbicide.

GWN-3123 WDG Herbicide can also be mixed with registered fungicides, insecticides, or liquid fertilizer for use on wheat, barley, triticale, oat, or fallow.

With 2,4-D (amine or ester) or MCPA (amine or ester)

GWN-3123 WDG Herbicide may be tank mixed with the amine and ester formulations 2,4-D and MCPA herbicides for use on wheat, barley, triticale and oat.

For best results in the Red River Valley and adjacent areas of North Dakota and Minnesota, add to ester formulations of 2,4-D or MCPA herbicides to the tank at 3/8 lb. active ingredient (such as ¾ pt. of a 4 lb./gal. product, ½ pt. of a 6 lb./gal. product). No additional surfactant is needed with this mixture.

For best results in other areas, add the ester formulations of 2,4-D or MCPA herbicides to the tank at ¼ to 3/8 lb. active ingredient (such as ½ - ¾ pt. of a 4 lb./gal. product, 1/3 – ½ pt. of a 6 lb./gal. product). Surfactant may be added to the mixture at ½ to 1 qt. per 100 gals. of spray solution (0.125 to 0.25% v/v); however, adding surfactant may increase the potential for crop injury, especially at the higher phenoxy rates.

Higher rates of 2,4-D or MCPA may be used, but do not exceed the highest rate allowed by those respective labels. Read and follow all label instructions on timing, precautions, and warnings for these herbicides before using these tank mixtures.

With dicamba (such as Banvel/Banvel SGF/Clarity)

GWN-3123 WDG Herbicide may be tank mixed with 1/16 to 1/8 lb. active ingredient dicamba (such as 2-4 fl. oz. Banvel, 4-8 fl. oz. Banvel SGF, 2-4 fl. oz. Clarity). Use higher rates when weed infestations is heavy. Surfactant may be added to the mixture at ½ to 1 qt. per 100 gals. of spray solution (0.125 to 0.25% v/v); however, adding surfactant may increase the potential for crop injury. Refer to the specific dicamba label for application timing and restrictions.

Tank mixes of GWN-3123 WDG Herbicide plus dicamba may result in reduced control of some broadleaf weeds.

9 of 14

With 2,4-D (amine or ester) and Banvel/Clarity

GWN-3123 WDG Herbicide may be applied in a 3-way tank mix with formulations of dicamba and 2,4-D. Make application of GWN-3123 WDG Herbicide + 1/16 to 1/8 lb. active ingredient dicamba (such as 2-4 fl. oz. Banvel, 4-8 fl. oz. Banvel SFG, 2-4 fl. oz. Clarity) + 1/4 - 3/8 lb. active ingredient 2,4-D ester or amine per acre. Use higher rates when weed infestation is heavy. Surfactant may be added to the mixture at 1/2 to 1 qt. per 100 gals. of spray solution (0.125-0.25% v/v); however, adding surfactant may increase the potential for crop injury. Consult the specific 2,4-D label, dicamba label, or local recommendations for more information and restrictions.

Apply this 3-way combination to winter wheat and winter oat after the crop is tillering and prior to jointing (first node). In Spring Wheat (including Durum) and Spring Oat, apply after the crop is tillering and before it exceeds the 5-leaf stage. In Spring Barley, apply after the crop is tillering and before it exceeds the 4-leaf stage.

With bromoxynil (such as Buctril, Bronate, Bronate Advanced®, or Rhino®)

GWN-3123 WDG Herbicide may be tank mixed with bromoxynil containing herbicides registered for use on wheat, barley, triticale, or fallow. For best results, add bromoxynil containing herbicides to the tank at 3/16 to 3/8 lb. active ingredient per acre (such as Bronate or Buctril at 3/4 - 1 1/2 pt. per acre).

Read and follow all label instructions on timing, precautions, and warnings for these herbicides before using these tank mixtures. Follow the most restrictive labeling. Tank mixes of GWN-3123 WDG Herbicide plus Buctril may result in reduced control of Canada thistle.

With DuPont EXPRESS® or EXPRESS® XP Herbicide

GWN-3123 WDG Herbicide may be tank mixed with EXPRESS or EXPRESS XP based on local recommendations. Read and follow all label instructions on timing, precautions, and warnings for these herbicides before using this tank mixture.

With DuPont ALLY® or ALLY XP Herbicide

GWN-3123 WDG Herbicide may be tank mixed with ALLY or ALLY XP based on local recommendations. Read and follow all label instructions on timing, precautions, and warnings for these herbicides before using this tank mixture.

With Starane®, Starane + Salvo®, Starane + Sword

For improved control of Kochia (2"-4" tall) GWN-3123 WDG Herbicide may be tank mixed with 1/3 to 2/3 pt. per acre of Starane, 2/3 to 1 1/3 pt. per acre of Starane + Salvo, or 3/4 to 1 1/2 pt. per acre of Starane + Sword. 2,4-D and MCP herbicides (preferably ester formulations) may be tank mixed with GWN-3123 WDG Herbicide plus Starane. Consult local recommendations and the TANK MIXTURE section of this label for additional information.

With Aim®

GWN-3123 WDG Herbicide can be tank mixed with "Aim" herbicide for improved control of weeds in wheat, barley and triticale.

With Stinger®, Curtail®, Curtail M® or WideMatch®

GWN-3123 WDG Herbicide can be tank mixed with Stinger, Curtail, Curtail M or WideMatch herbicides for improved control of weeds in wheat, barley and triticale.

With Other Broadleaf Herbicides

Tank mixes with GWN-3123 WDG Herbicide plus metribuzin may result in reduced control of wild garlic.

With Hoelon Herbicide

GWN-3123 WDG Herbicide may be used in combination with Hoelon 3EC® and Buctril herbicides in accordance with the Hoelon 3EC label. For best results, use the 3-way tank mix of GWN-3123 WDG Herbicide at 0.4 oz. per acre plus Hoelon 3EC at 2 2/3 pt. per acre plus Buctril at 1 1/2 pt. per acre. Apply only to winter wheat. This tank mix should only be used under good soil conditions when wild oat is in the 1-4 leaf stage. If conditions are not ideal for the performance of Hoelon 3EC, wild oat control may be reduced. Be sure to follow all warnings and cautions on the Hoelon 3EC and Buctril labels.

With Assert® Herbicide or Avenge™ Herbicide

GWN-3123 WDG Herbicide can be tank mixed with Avenge or Assert. When tank mixing GWN-3123 WDG Herbicide with Assert, always include another broadleaf weed herbicide with a different mode of action (for example: 2,4-D ester, MCPA ester, Buctril, or Bronate). Tank mixed applications of GWN-3123 WDG Herbicide plus Assert may cause temporary crop discoloration, stunting, or injury when heavy rainfall occurs shortly after application.

With Discover® NG

GWN-3123 WDG Herbicide can be tank mixed with Discover NG herbicide for improved control of weeds in spring wheat.

With Everest®

GWN-3123 WDG Herbicide can be tank mixed with Everest herbicide for improved control of weeds in spring wheat.

With Maverick®

GWN-3123 WDG Herbicide can be tank mixed with Maverick herbicide for improved control of weeds in wheat.

With Puma®

GWN-3123 WDG Herbicide can be tank mixed with Puma 1EC for control of some annual grass weeds. This tank mix may also include MCP ester, bromoxynil or bromoxynil/MCP, Starane, or Starane + Sword for a greater spectrum of broadleaf control – see the Puma 1EC label for specific use directions and restrictions on tank mixes.

With other grass control products

Tank mixtures of GWN-3123 WDG Herbicide and grass control products may result in poor grass control. Gowan recommends that you first consult your state experiment station, university, or extension agent, Agricultural dealer, or Gowan representative as to the potential for antagonism before using the mixture. If no information is available, limit the initial use of GWN-3123 WDG Herbicide and the grass product to a small area.

With Insecticides

GWN-3123 WDG Herbicide may be tank mixed or used sequentially with insecticides (or fungicides) registered for use on cereal grains. However, under certain conditions (drought stress, or if the crop is in the 2-4 leaf stage), tank mixes or sequential applications of GWN-3123

WDG Herbicide with organophosphate insecticides (such as parathion) may produce temporary crop yellowing or, in severe cases, crop injury. Test these mixtures in a small area before treating large areas. Do not use GWN-3123 WDG Herbicide plus Malathion, as crop injury will result.

With Liquid Nitrogen Solution Fertilizer

Liquid nitrogen fertilizer solutions may be used as a carrier in place of water. Run a tank mix compatibility test before mixing GWN-3123 WDG Herbicide in fertilizer solution. GWN-3123 WDG Herbicide must first be slurried with water then added to liquid nitrogen solutions (e.g., 28-0-0, 32-0-0). Ensure that the agitator is running while the GWN-3123 WDG Herbicide is added. Use of this mixture may result in temporary crop yellowing and stunting.

If using low rates of liquid nitrogen fertilizer in the spray solution (less than 50% of the spray solution volume), the addition of surfactant is necessary. Add surfactant at ¼ to 1 qt. per 100 gal. of spray solution (0.06-0.25% v/v) based on local recommendations.

When using high rates of liquid nitrogen fertilizer solution in the spray solution, adding surfactant increases the risk of crop injury. Consult your agricultural dealer, consultant, fieldman, or Gowan representative for a specific recommendation before adding an adjuvant to these tank mixtures.

If 2,4-D or MCPA is included with GWN-3123 WDG Herbicide and fertilizer mixture, ester formulations tend to be more compatible (see manufacturer's label). Additional surfactant is not needed when using GWN-3123 WDG Herbicide in tank mix with 2,4-D ester or MCPA ester and liquid nitrogen fertilizer solutions.

Note: In certain areas east of the Mississippi River unacceptable crop response may occur with use of straight or dilute nitrogen fertilizer carrier solutions where cold temperatures or widely fluctuating day/night temperatures exist. In these areas consult your agricultural dealer, consultant, field advisor, or Gowan representative for a specific recommendation before using nitrogen fertilizer carrier solutions.

Liquid nitrogen fertilizer solutions that contain sulfur can increase crop response.

Do not use low rates of liquid nitrogen fertilizer solution as a substitute for a surfactant.

Do not use with liquid fertilizer solutions with a pH less than 3.0.

SPRINKLER CHEMIGATION WITH GWN-3123 WDG HERBICIDE AND BRONATE FOR POSTEMERGENCE WEED CONTROL IN WINTER AND SPRING WHEAT AND SPRING BARLEY IN IDAHO HOW TO USE

Use 0.4 to 0.5 oz. GWN-3123 WDG Herbicide per acre in combination with ¾ to 1 ½ pt. Bronate per acre. Apply to wheat, barley and triticale after the 3-leaf stage but before the flag leaf is visible. Make only one chemigation application of this tank mixture per crop year.

For best results, apply to broadleaf weeds up to the 4-leaf stage, or 2" in height or 1" in diameter, whichever comes first. Consult GWN-3123 WDG Herbicide and Bronate package labels for list of weeds controlled/suppressed.

SPRINKLER IRRIGATION APPLICATION

Apply this tank mix through sprinkler irrigation systems including center pivot, lateral move, side (wheel) roll, solid set or hand move irrigation systems only. Do not apply these herbicides through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for GWN-3123 WDG Herbicide application to any public water system. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The sprinkler chemigation system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

SPECIFIC REQUIREMENTS FOR APPLICATION THROUGH SPRINKLER IRRIGATION SYSTEMS

1. In center pivot and continuous lateral move systems, GWN-3123 WDG Herbicide + Bronate should be applied continuously for the duration of the water application. In solid set systems, application of the tank mix should be made during the last 30 to 45 minutes of the irrigation set.
2. Set the sprinkler system to deliver approximately 0.5" or less of water per acre for best product performance.
3. Fill the supply tank with half of the water amount desired, add the GWN-3123 WDG Herbicide and agitate it well. Add the Bronate and then add the remaining water amount with agitation. Bronate requires a dilution with at least 4 parts water to 1 part Bronate.
4. Agitation is recommended in the pesticide supply tank when applying this tank mix.
5. The use of a surfactant is not recommended with this tank mix application.
6. Inject the GWN-3123 WDG Herbicide + Bronate solution at least 8 feet ahead of a right angle turn of irrigation pipe to insure adequate mixing. Allow sufficient time for the herbicide mixture to be flushed through the lines before turning off irrigation water.
7. Follow both GWN-3123 WDG Herbicide and Bronate label instructions for spray tank cleanout both before and after application. Flush lines with clean water following application.
8. Do not apply when wind speed favors drift beyond the area intended for treatment. Avoiding spray drift is the responsibility of the applicator.

MIXING INSTRUCTIONS

1. Fill the tank ¼ to 1/3 full of water.
2. While agitating, add the required amount of GWN-3123 WDG Herbicide.
3. Continue agitation until the GWN-3123 WDG Herbicide is fully dispersed, at least 5 minutes.
4. Once the GWN-3123 WDG Herbicide is fully dispersed, maintain agitation and continue filling tank with water. GWN-3123 WDG Herbicide should be thoroughly mixed with water before adding any other material.
5. As the tank is filling, add tank mix partners (if desired) then add the required volume of nonionic surfactant. Always add surfactant last. Do not use with spray additives that alter the pH of the spray solution below pH 5.0 or above pH 9.0, as rapid product degradation can occur. Spray solutions of pH 6.0-8.0 allow for optimum stability of GWN-3123 WDG Herbicide.
6. If the mixture is not continuously agitated, settling will occur. If settling occurs, thoroughly re-agitate before using.

11 of 14

7. Apply GWN-3123 WDG Herbicide spray mixture within 24 hours of mixing to avoid product degradation.
8. If GWN-3123 WDG Herbicide and a tank mix partner are to be applied in multiple loads, pre-slurry the GWN-3123 WDG Herbicide in clean water prior to adding to the tank. This will prevent the tank mix partner from interfering with the dissolution of the GWN-3123 WDG Herbicide.

PRODUCT MEASUREMENT

GWN-3123 WDG Herbicide is measured using the GWN-3123 WDG Herbicide volumetric measuring cylinder. The degree of accuracy of this cylinder varies by ± 7.5%. For more precise measurement, use scales calibrated in ounces.

CROP ROTATION – ALL USES

Wheat (including durum), barley, triticale and oat may be replanted anytime after the application of GWN-3123 WDG Herbicide. Cotton can be planted 14 days after the application of GWN-3123 WDG Herbicide. Sugarbeets, winter rape, and canola can be planted 60 days after the application of GWN-3123 WDG Herbicide. Any other crop may be planted 45 days after the application of GWN-3123 WDG Herbicide.

SURFACTANTS – ALL USES

Unless otherwise specified, add a Gowan recommended nonionic surfactant having at least 80% active ingredient at 1 to 2 qt. per 100 gal. of spray solution (0.25 to 0.5% v/v – refer to TANK MIXTURES for specific adjuvant recommendations when GWN-3123 WDG Herbicide is used in a tank mix).

For pre-plant burndown in cotton, include a nonionic surfactant, petroleum based crop oil concentrate, or a vegetable seed oil-based product (methylated seed oils are considered a vegetable seed-based oil). If another herbicide is tank mixed with GWN-3123 WDG Herbicide to increase the broadleaf weed spectrum, select adjuvants based on the adjuvant limitations of the companion herbicide.

Consult your agricultural dealer, applicator, or Gowan representative for a listing of recommended surfactants. Antifoaming agents may be used if needed.

Do not use low rates of liquid nitrogen fertilizer solution as a substitute for surfactant.

GROUND APPLICATION – ALL USES

For optimum spray distribution and thorough coverage, use flat-fan or low-volume flood nozzles.

For flat-fan nozzles, use a spray volume of at least 5 gals. per acre (GPA).

For flood nozzles of 30" spacings, use at least 10 GPA, flood nozzles no larger than TK10 (or the equivalent), and a pressure of at least 30 psi. For 40" nozzle spacings, use at least 13 GPA; for 60" spacings use at least 20 GPA. It is essential to overlap the nozzles 100% for all spacings.

Raindrop RA nozzles are not recommended for GWN-3123 WDG Herbicide applications, as weed control performance may be reduced.

Use screens that are 50-mesh or larger.

AERIAL APPLICATION – ALL USES

Use nozzle types and arrangements that provide optimum spray distribution and maximum coverage at 2 to 5 GPA. Use at least 3 GPA in Idaho, Oregon, or Utah.

Do not apply GWN-3123 WDG Herbicide by air in the state of New York.

See the SPRAY DRIFT MANAGEMENT section of this label.

GRAZING

Do not graze livestock in treated areas. In addition, do not feed forage or hay from treated areas to livestock (harvested straw may be used for bedding/and or feed).

SPRAY EQUIPMENT

For specific application equipment, refer to the manufacturer's recommendations for additional information of GPA, pressure, speed, nozzle types and arrangements, nozzle heights about the target canopy, etc.

Be sure to calibrate air or ground equipment properly before application. Select a spray volume and delivery system that will ensure thorough coverage and a uniform spray pattern with minimum drift. Use higher spray volumes to obtain better coverage when crop canopy is dense. Avoid swath overlapping, and shut off spray booms while starting, turning, slowing, or stopping, to avoid injury to the crop.

Do not make applications using equipment and/or spray volumes or during weather conditions that might cause spray to drift onto nontarget sites. For additional information on spray drift refer to SPRAY DRIFT MANAGEMENT section of label.

Continuous agitation is required to keep GWN-3123 WDG Herbicide in suspension.

SPRAYER CLEANUP

The spray equipment must be cleaned before GWN-3123 WDG Herbicide is sprayed. Follow the cleanup procedures specified on the labels of the previously applied products. If no directions are provided, follow the six steps outlined in AFTER SPRAYING GWN-3123 WDG HERBICIDE.

AT THE END OF THE DAY

It is recommended that during periods when multiple loads of GWN-3123 WDG Herbicide are applied, at the end of each day of spraying the interior of the tank be rinsed with fresh water and then partially filled, and the boom and hoses flushed. This will prevent the buildup of dried pesticide deposits which can accumulate in the application equipment.

**AFTER SPRAYING GWN-3123 WDG HERBICIDE AND BEFORE SPRAYING CROPS
OTHER THAN WHEAT, BARLEY, TRITICALE AND OAT**

To avoid subsequent injury to desirable crops, thoroughly clean all mixing and spray equipment immediately following applications of GWN-3123 WDG Herbicide as follows:

1. Drain tank; thoroughly rinse spray tanks, boom, and hoses with clean water. Loosen and physically remove any visible deposits.
2. Fill the tank with clean water and 1 gal. of household ammonia* (contains 3% active) for every 100 gals. of water. Flush the hoses, boom, and nozzles with the cleaning solution. Then add more water to completely fill the tank. Circulate the cleaning solution through the tank and hoses for at least 15 minutes. Flush the hoses, boom, and nozzles again with the cleaning solution, then drain the tank.
3. Remove the nozzles and screens and clean separately in a bucket containing cleaning agent and water.
4. Repeat step 2.
5. Rinse the tank, boom, and hoses with clean water.
6. If only Ammonia is used as a cleaner, the rinsate solution may be applied back to the crop(s) recommended on this label. Do not exceed the maximum labeled use rate. If other cleaners are used, consult the cleaner label for rinsate disposal instructions. If no instructions are given, dispose of the rinsate on site or at an approved waste disposal.

* Equivalent amounts of an alternate-strength ammonia solution or a Gowan approved cleaner can be used in the cleanout procedure. Carefully read and follow the individual cleaner instructions. Consult your Ag dealer, applicator or Gowan representative for a listing of approved cleaners.

NOTES

1. **CAUTION:** Do not use chlorine bleach with ammonia as dangerous gases will form. Do not clean equipment in an enclosed area.
2. Steam-cleaning aerial spray tank is recommended prior to performing the above cleanout procedure to facilitate the removal of any caked deposits.
3. When GWN-3123 WDG Herbicide is tank mixed with other pesticides, all cleanout procedures should be examined and the most rigorous procedure should be followed.
4. In addition to this cleanout procedure, all precleanout guidelines on subsequently applied products should be followed as per the individual labels.
5. Where routine spraying practices include shared equipment frequently being switched between applications of GWN-3123 WDG Herbicide and applications of other pesticides to GWN-3123 WDG Herbicide sensitive crops during the same spray season, it is recommended that a sprayer be dedicated to GWN-3123 WDG Herbicide to further reduce the chance of crop injury.

SPRAY DRIFT MANAGEMENT

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

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

IMPORTANCE OF DROPLET SIZE

The most effective way to reduce drift potential is to apply large droplets (>150 – 200 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. **APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL, BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONS!** See WIND, TEMPERATURE AND HUMIDITY, and TEMPERATURE INVERSIONS sections of this label.

Controlling Droplet Size – General Techniques

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

Controlling Droplet Size – Aircraft

- **Number of Nozzles** – Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.
- **Nozzle Orientation** – Orienting nozzles so that the spray is emitted backwards, parallel to the airstream will produce larger droplets than other orientations.
- **Nozzle Type** – Solid stream nozzles (such as disc and core with swirl plate removed) oriented straight back produce larger droplets than other nozzle types.
- **Boom Length** – The boom length should not exceed ¼ of the wing or rotor length – longer booms increase drift potential.
- **Application Height** – Application more than 10 ft. above the canopy increases the potential for spray drift.

BOOM HEIGHT

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

WIND

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

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

TEMPERATURE AND HUMIDITY

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

TEMPERATURE INVERSIONS

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

SHIELDED SPRAYERS

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

AIR ASSISTED (AIR BLAST) FIELD CROP SPRAYERS

Air assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, is configured properly, and that drift is not occurring.

Note: Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration. Consult the spray equipment section of this label to determine if use of an air assist sprayer is recommended.

RESISTANCE

When herbicides that affect the same biological site of action are used repeatedly over several years to control the same weed species in the same field, naturally-occurring resistant biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in that field. Adequate control of these resistant weed biotypes cannot be expected. If weed control is unsatisfactory, it may be necessary to retreat the problem area using a product affecting a different site of action.

To better manage herbicide resistance through delaying the proliferation and possible dominance of herbicide resistant weed biotypes, it may be necessary to change cultural practices within and between crop seasons such as using a combination of tillage, retreatment, tank-mix partners and/or sequential herbicide applications that have a different site of action. Weed escapes that are allowed to go to seed will promote the spread of resistant biotypes.

It is advisable to keep accurate records of pesticides applied to individual fields to help obtain information on the spread and dispersal of resistant biotypes. Consult your agricultural dealer, consultant, applicator, and/or appropriate state agricultural extension service representative for specific alternative cultural practices or herbicide recommendations available in your area.

INTEGRATED PEST MANAGEMENT

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

PRECAUTIONS

Injury to or loss of adjacent sensitive crops, desirable trees or vegetation may result from failure to observe the following:

- Do not apply, drain or flush equipment on or near desirable trees or other plants or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.
- Do not use on lawns, walks, driveways, tennis courts, or similar areas. Prevent drift of spray to desirable plants.
- Take all necessary precautions to avoid all direct or indirect contact (such as spray drift) with non-target plants or areas.
- Carefully observe all sprayer cleanup instructions both prior to and after using this product, as spray tank residue may damage crops other than wheat, barley, triticale or oat.

GWN-3123 WDG Herbicide is only registered on wheat, barley, oat, triticale and fallow. Do not use on any other crop.

The total rate of GWN-3123 WDG Herbicide for wheat (including durum), barley and triticale cannot exceed 1.0 oz. product per acre applied to any one crop during one growing season.

The total rate of GWN-3123 WDG Herbicide for oat (spring and winter) cannot exceed 0.4 oz. product per acre applied to any one crop during one growing season.

Varieties of wheat (including durum), barley and triticale may differ in their response to various herbicides. Gowan recommends that you first consult your state experiment station, university, or extension agent as to sensitivity to any herbicide. If no information is available, limit the initial use to a small area.

Under certain conditions such as heavy rainfall, prolonged cold weather, or wide fluctuations in day/night temperatures prior to or soon after GWN-3123 WDG Herbicide application, temporary discoloration and/or crop injury may occur. To reduce the potential of crop injury, tank mix GWN-3123 WDG Herbicide with 2,4-D (ester formulations perform best – see TANK MIXTURES) and apply after the crop is in the tillering stage of growth.

GWN-3123 WDG Herbicide should not be applied to wheat, barley, triticale or oat that is stressed by severe weather conditions, drought, low fertility, water-saturated soil, disease, or insect damage, as crop injury may result. Risk of injury is greatest when crop is in the 2 to 5-leaf stage. Severe winter stress, drought, disease, or insect damage following application also may result in crop injury.

Do not apply to wheat, barley, triticale or oat crops underseeded with another crop.

Dry, dusty field conditions may result in reduced control in wheel track areas.

Do not harvest sooner than 45 days after the last application of GWN-3123 WDG Herbicide.

STORAGE AND DISPOSAL

Do not contaminate water, other pesticides, fertilizer, food or feed in storage.

Pesticide Storage: Store product in original container only.

Pesticide Disposal: Do not contaminate water, food, or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: For Plastic Containers: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available.

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 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. After cleaning, if recycling is not available, puncture and 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. ~~Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.~~

~~**For Fiber Sacks:** Completely empty fiber sack by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing or application equipment. Then dispose of sack in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.~~

~~**Container Refilling and Disposal (For Containers up to 250 gals.):** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. If the container is to be refilled, do not rinse with any material or introduce any pesticide other than GWN 3123 WDG Herbicide. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recalculate water with pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. This is a refillable container. If the container is to be refilled, do not rinse with any material or introduce any pesticide other than GWN 3123 WDG Herbicide. Rec seal and return the container to any authorized Gowan Company refilling facility. If the container is not to be refilled, triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by State and local authorities. If burned, keep out of smoke.~~

~~For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire or other emergency, call 1-800-424-9300 day or night.~~

~~**Container Disposal for Bulk Containers:** When this container is empty, replace the cap and seal all openings that have been opened during use, and return the container to the point of purchase or to a designated location named at time of purchase of this product. The~~

14 of 14

container must only be refilled with this pesticide product. DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after refilling and before transporting. Do not transport if this container is damaged or leaking. If the container is damaged, leaking or obsolete, contact Gowan at 1-800-883-1844. If not returned to the point of purchase or to a designated location, triple rinse emptied container and offer for recycling. Disposal of this container must be in compliance with state and local regulations. For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire or other emergency, call 1-800-424-9300 day or night.

FOR 24 HOUR EMERGENCY ASSISTANCE (SPILL, LEAK, OR FIRE), CALL CHEMTREC® (800) 424-9300
For other product information, contact your distributor or see the Material Safety Data Sheet.

NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS

Important: Read the entire Directions for Use and Notice of Conditions of Sale and Warranty and Liability Limitations before using this product. If terms are not acceptable return the unopened container for a full refund.

Our recommendations for use of this product are based on tests believed to be reliable. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, inadequate performance, or other unintended consequences may result due to soil or weather conditions, off target movement, presence of other materials, method of use or application, and other factors, all of which are beyond the control of Gowan Company. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer and User.

Gowan Company warrants that this product conforms to the specifications on the label and is reasonably fit for the intended purpose referred to on the label when used in strict conformance with Direction for Use, subject to the above stated risk limitations. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, GOWAN COMPANY MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY AND GOWAN COMPANY'S EXCLUSIVE LIABILITY FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY IS STRICTLY LIMITED TO THE PURCHASE PRICE PAID OR REPLACEMENT OF PRODUCT, AT GOWAN COMPANY'S SOLE DISCRETION.

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NOTIFICATION
APR 10 2009