

81880-2

11/9/2011

1/20



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D C 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

NOV -9 2011

Patti Turner
Canyon Group c/o Gowan Company
P O Box 5569
Yuma, AZ 85366-5569

Subject Notification per PR Notice 2007-4 Update Container Disposal Instructions
GWN-3061
EPA Reg No 81880-2
Application Dated October 31, 2011

Dear Ms Turner

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 for the subject product

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label changes requested fall within the scope of PRN-2007-4 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 regarding this letter, please feel free to contact Maggie Rudick at (703) 347-0257 or rudick_maggie@epa.gov

Sincerely,

Kable Bo Davis, Product Manager 25
Herbicide Branch
Registration Division (7505P)



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 81880-2	2 EPA Product Manager Kable (Bo) Davis	3 Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4 Company/Product (Name) GWN-3061	PM# Team# 25 Phone 703-306-0415	
5 Name and Address of Applicant (Include ZIP Code) Canyon Group c/o Gowan Company P O 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 EPA Reg No _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment Explain below	<input checked="" 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)
Amended Storage and Disposal per Container and Containment Rule (PR Notice 2007 04)

(Certification statement on cover letter)

Section - III

1 Material This Product Will Be Packaged In			
Child Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2 Type of Container <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 20 oz	No per container 12
3 Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4 Size(s) Retail Container 15 lb box	5 Location of Label Directions <input checked="" type="checkbox"/> on jug
6 Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued 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 Patti Turner	Title Agent for Canyon Group	Telephone No (Include Area Code) 928 530 5467
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		Date Application Received (Stamped)
2 Signature <i>P Turner</i>	3 Title Agent for Canyon Group	
4 Typed Name Patti Turner	5 Date October 31, 2011	

4/20

NOTIFICATION

**GWN-3061
Herbicide**

NOV - 9 2011

GWN 3061 is a selective herbicide for the control of listed annual broadleaf weeds and nutsedge in field corn field corn grown for seed grain sorghum (milo) rice sugarcane fallow ground cotton and dry beans

ACTIVE INGREDIENT *Halosulfuron methyl
OTHER INGREDIENTS

% By Wt
75.0%
25.0%
TOTAL 100.0%

**KEEP OUT OF REACH OF CHILDREN
CAUTION!**

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUSES MODERATE EYE IRRITATION HARMFUL IF SWALLOWED Avoid contact with eyes or clothing Wash thoroughly with soap and water after handling

FIRST AID	
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 5 minutes then continue rinsing eye Call poison control center or physician for treatment advice
IF SWALLOWED	<ul style="list-style-type: none"> Call poison control center or physician immediately for treatment advice Remove visible particles from mouth Have person rinse mouth thoroughly with water spit out rinse water Have person sip a 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
Have the product container or label with you when calling a poison control center or physician or going for treatment FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT CALL TOLL FREE 1 888-478 0798 This product is identified as GWN 3061 EPA Reg No 81880 2	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear

- long sleeved shirt and long pants and
- 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.

When handlers use closed systems or enclosed cabs or aircraft 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 immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing

ENVIRONMENTAL HAZARDS

Do not apply directly to water 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. This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable particularly where the water table is shallow may result in groundwater contamination.

In order to limit the potential for ground water contamination and off site movement of phytotoxically significant residues via subsurface flow halosulfuron methyl shall not be used in any areas with the following soil characteristics (use of halosulfuron methyl is only allowed in areas where none of the three sets of criteria below are met)

- Areas (within the confines of a contiguous area representing a single soil series as defined within a single mapping unit) of any soil type with less than 2% organic matter in the upper 24 inches of the soil profile with historical average depth to ground water under 30 feet (utilizing the best available data from the NRCS local county extension agents and other sources) within counties with historical average precipitation over 40 inches (utilizing data from any weather station within the county with 20 or more years of continuous weather reporting)

NET CONTENTS _____ OUNCES

- 2 Areas with sand or loamy sand soil texture and less than 2.5% organic matter content at least the upper 24 inches of the soil profile with historical average depth to ground water under 50 feet (utilizing the best available data from the NRCS local county extension agents and other sources) within counties with historical average precipitation over 30 inches (utilizing data from any weather station within the county with 20 or more years of continuous weather reporting)
- 3 Areas with sandy loam soil texture and less than 2% organic matter content for at least the upper 24 inches of the soil profile with historical average depth to ground water under 40 feet (utilizing the best available data from the NRCS local county extension agents and other sources) within counties with historical average precipitation over 35 inches (utilizing data from any weather station within the county with 20 or more years of continuous weather reporting)

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product can only be used in accordance with the Directions for Use on this label or in separately published Canyon Supplemental 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
- shoes plus socks
- chemical resistant gloves such as nitrile rubber, neoprene rubber or polyethylene. For more options, follow instructions for category A (dry and water based formulations) on an EPA chemical resistant category selection chart.

For more product information call toll free 1 800 883 1844

GENERAL INFORMATION

Biological Information

The level of weed control following GWN 3061 application is dependent upon application rate, weed species and size at application time and growing conditions. For best results, applications should be made to actively growing weeds at the heights defined in the **USE RATE GUIDE** sections of this label. Heavy infestations should be treated early before the weeds become too competitive with the crop. When early post emergence treatments are used (in corn) sequential applications may be required to control later weed flushes. Soon after GWN 3061 is applied, growth of susceptible weeds is inhibited and susceptible weeds are no longer competitive with the crop. Following growth inhibition, the leaves and growing point begin to discolor. Complete control typically occurs within 7 to 14 days depending on the weed size, species and growing conditions.

MIXING INSTRUCTIONS

Fill the spray tank to about three fourths of the desired volume with water or carrier. Add the recommended amount of this product as listed in the **'WEEDS CONTROLLED'** sections. Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Add nonionic surfactant and other adjuvants as the last ingredients in the tank. Spray solutions should be applied within 24 hours after mixing.

Adjuvants: A nonionic surfactant (NIS) is the only adjuvant required in the spray solution. Use only nonionic surfactants which are approved by EPA for use on food crops and which contain at least 80 percent active ingredient. Use 0.25 to 0.5 percent nonionic surfactant concentration (1 to 2 quarts per 100 gallons of spray solution).

Crop oil concentrate (COC) may be used with GWN 3061 instead of nonionic surfactants. Do not use both NIS and COC in the spray mixture. Add COC to the spray mixture at 1% vol/vol (1 gallon per 100 gallons of spray mixture). Use only good quality petroleum or vegetable based crop oil concentrates which contain at least 14 percent emulsifiers. Nonionic surfactant or COC are the only additives necessary for GWN 3061 applications. Liquid nitrogen fertilizer solution (e.g. 28-0-0) may be added to the spray solution to improve the control of certain species, particularly if GWN 3061 is being tank mixed with a companion herbicide which requires use of a liquid nitrogen additive. However, a nonionic surfactant or COC will still be necessary. Refer to the companion product label for specific additive requirements. Otherwise, add liquid nitrogen fertilizer at a rate of 2 to 4 quarts per acre. Do not use liquid nitrogen fertilizer solutions or suspensions as the total carrier because excessive crop injury may occur. A high quality spray grade ammonium sulfate (e.g. 21-0-0) may be applied at a rate of 2 to 4 pounds per acre in place of the liquid nitrogen fertilizer.

APPLICATION EQUIPMENT AND INSTRUCTIONS

Applications may be made by ground or aerial equipment to healthy, actively growing weeds. For best results, avoid applications when weeds are under drought, stress, disease, or insect damage. Rainfall or irrigation occurring within 4 hours after application may also reduce effectiveness.

Ground Applications

Apply GWN 3061 uniformly with properly calibrated ground equipment in 10 or more gallons of water per acre. Other water based spray carriers may be used for directed applications, avoiding contact with crop foliage. Select spray volumes that ensure thorough and uniform weed coverage. Choose nozzles which provide optimum spray distribution and coverage at the appropriate pressure (psi). Use only ground application equipment. Thoroughly clean equipment prior to mixing spray solution. Avoid streaking, skips, overlaps and spray drift during applications.

Do not apply this product through any type of irrigation system.

Avoid disturbing (e.g. cultivation) treated areas for at least 7 days following application.

6/20

Thoroughly clean application equipment immediately after GWN 3061 use and prior to spraying crop other than corn or grain sorghum. Prepare a tank cleaning solution which consists of a 1 percent solution of household ammonia (one quart of ammonia for every 25 gallons of water). Use sufficient cleaning solution to thoroughly rinse all surface and to flush all hoses. Repeat the procedure with the ammonia solution. Complete the cleaning process by rinsing with clean water.

Aerial Applications

Apply this product or approved tank mixtures with properly calibrated equipment in 3 to 15 gallons of water per acre. Thoroughly clean equipment prior to mixing spray solution. Avoid streaking, skips, overlaps, and spray drift during applications.

Spray Drift Management

AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR. The interaction of many equipment-, and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. The following drift management requirements must be followed to avoid off target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

- 1 The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
- 2 Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees. Where states have more stringent regulations they should be observed.

The importance of spray droplet size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential but may not prevent drift if applications are made improperly or under unfavorable environmental conditions (see the following 'Wind, Temperature and Humidity' and 'Temperature Inversion' sections of this advisory).

Controlling initial droplet size

- **Volume** – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher flow rates 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 higher flow rate nozzles instead of increasing pressure.
- **Number of nozzles** – Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle orientation** – Orienting nozzles so the spray stream is released backwards, parallel to the air stream will produce larger droplets than other orientations. Significant deflection from the horizontal will reduce droplet size and increase drift potential.
- **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. Solid stream nozzles oriented straight back produce larger droplets than other nozzle types.

Controlling placement of spray droplets

- **Boom length** – For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.
- **Application height** – Applications should not be greater than 10 feet above the top of the tallest plants unless a greater height is required for aircraft safety. Greater application heights result in greater droplet size reduction through evaporation and greater movement in air currents. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.
- **Application speed** – Slower aircraft speeds within a safe range will produce less air turbulence and fewer small droplets.
- **Swath adjustment** – When applications are made with a cross wind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distances should increase with increasing drift potential (wind speed, droplet size, etc.).

Key environmental factors

- **Wind** – Drift potential is the lowest between wind speeds of 2 to 10 mph. However, many factors including droplet size and equipment type determine drift potential at any given speed. Application should be avoided when wind speeds are below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Applicators should be familiar with local wind patterns and how they affect drift.
- **Temperature and humidity** – When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.
- **Temperature inversions** – Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable air currents that are common during inversions. Temperature inversions are characterized by increasing temperatures 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 detector. 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.

Sensitive areas

Pesticides should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

Avoid disturbing (e.g. cultivation) treated areas for at least 7 days following application.

Thoroughly clean application equipment immediately after the use of GWN 3061. Prepare a tank cleaning solution that consists of a 1 percent solution of household ammonia (one quart of ammonia for every 25 gallons of water). Use sufficient clean solution to thoroughly rinse all surfaces and to flush all hoses. Repeat the procedure with the ammonia solution. Complete the cleaning process by rinsing with clean water.

CALIFORNIA ONLY

Sensitive Crops

- Cotton
- Prunes

Buffer Zones

- 1 Aerial applications shall not be made closer than four miles from sensitive crops
- 2 Ground applications shall not be made closer than 1 mile from sensitive crops unless wind direction during the application is away from sensitive crops. When wind direction during the ground application is away from sensitive crops ground applications shall not be made closer than 0.5 miles from sensitive crops

TANK MIXTURES

This product may be applied in combination with other products that are registered for the same crop and application

Refer to the companion product label for use instructions additive requirements weeds controlled the size range of weeds that should be treated and application restrictions

Before mixing in the spray tank it is recommended that compatibility be tested by mixing all components in a small container in proportionate quantities. For tank mixtures add individual formulations to a spray tank in the following sequence: water soluble bags, dry flowables, emulsifiable concentrates, drift control additive, water soluble liquids followed by nonionic surfactant or crop oil concentrate. Tank mixtures should not be applied if the crop is under severe stress due to drought, water saturated soils, poor fertility (especially low nitrogen levels), hail, frost, insects or when the maximum daytime temperature is above 92 F. Tank mix applications under these conditions may cause temporary crop injury.

WEED CONTROLLED BY GWN 3061 ALONE OR IN TANK MIX COMBINATIONS (see Footnotes)

C = Control S = Suppression NA = No Activity

WEED SPECIES	PREEMERGENT ACTIVITY	POSTEMERGENT ACTIVITY
Amaranth Spiny ³ <i>Amaranth spinosus</i>	C ³	C ³
Barnyardgrass ⁷ <i>Echinochloa crusgalli</i>	NA	C ⁷
Bindweed ⁵ <i>Calystegia sepium</i>	NA	C ⁵
Burcucumber <i>Sicyas angulatus</i>	NA	S C ⁶
California Arrowhead ⁴ <i>Sagittaria montevidensis</i>	NA	C ⁴
Cocklebur common <i>Xanthium strumarium</i>	C	C
Corn Spurry <i>Spergula arvensis</i>	C	C
Cupgrass Woolly ⁷ <i>Echinochloa villosa</i>	NA	C ⁷
Dayflower <i>Commelina erecta</i>	C	S
Dogbane Hemp ⁵ <i>Apocynum cannabinum</i>	NA	S ⁵
Eclipta <i>Eclipta prostrata</i>	C	S
Flatsedge Rice <i>Cyperus iria</i>	S	C
Fleabane Philadelphia <i>Erigeron philadelphicus</i>	NA	C
Foxtail giant yellow green bristly ⁷	NA	C ⁷
Galinsoga <i>Galinsoga</i>	C	C
Golden Crownbeard <i>Verbesina encloides</i>	NA	C
Goosefoot	C	C
Groundsel common <i>Senecio vulgaris</i>	C	NA
Horsenettle <i>Solanum carolinense</i>	NA	C
Horseweed/Marestail <i>Erigeron canadensis</i>	C	NA
Horsetail <i>Equisetum</i>	NA	S
Jimsonweed <i>Datura stramonium</i>	C	NA
Itchgrass ⁷ <i>Rottboellia cochinchinensis</i>	NA	C ⁷
Jointvetch <i>Aeschynomene</i>	NA	C
Johnsongrass rhizome seedling ^{7,8} <i>Sorghum halepense</i>	NA	C ^{7,8}

WEED SPECIES	PREEMERGENT ACTIVITY	POSTEMERGENT ACTIVITY
Kochia ³ <i>Kochia scoparia</i>	C ³	S ³
Ladysthumb <i>Polygonum persicaria</i>	C	C
Lambsquarter common <i>Chenopodium album</i>	C	NA
Mallow Venice <i>Hibiscus trionum</i>	NA	C
Milkweed common <i>Asclepias syriaca</i>	NA	S
Milkweed honeyvine <i>Ampelamus albidus</i>	NA	S
Millet Wild Proso ⁷ <i>Panicum miliaceum</i>	NA	C ⁷
Morningglory Ivyleaf ^{1,5} <i>Ipomoea hederacea</i>	NA	S ¹ C ⁵
Morningglory Tail ^{1,5} <i>Ipomoea purpurea</i>	NA	S ¹ C ⁵
Mustard wild <i>Sinapis arvensis</i>	C	C
Nightshade Black ⁶ <i>Solanum americanum</i>	NA	C ⁶
Nutsedge Yellow ^{1,2} <i>Cyperus exculentus</i>	S ¹	C ²
Nutsedge Purple ^{1,2} <i>Cyperus rotundus</i>	S ¹	C ²
Oats ⁷	NA	C ⁷
Panicum Fall ^{7,8} <i>Panicum dichotomiflorum</i>	NA	C ^{7,8}
Panicum Texas ⁷ <i>Panicum texanum</i>	NA	C ⁷
Passionflower Maypop <i>Passiflora incarnata</i>	NA	C
Pigweed redroot ³ <i>Amaranthus retroflexus</i>	C ³	C ³
Pigweed smooth ³ <i>Amaranthus hybridus</i>	C ³	C ³
Pokeweed common <i>Phytolacca Americana</i>	NA	C
Purslane <i>Portulaca oleracea</i>	S	NA
Quackgrass ^{7,8} <i>Elytngia repense</i>	NA	C ^{7,8}
Radish wild <i>Raphanus raphanistrum</i>	C	C
Ragweed common ³ <i>Ambrosia artemisiifolia</i>	C ³	C ³

- 1 Higher rates required for suppression
- 2 Heavy infestations of nutsedge may require sequential applications. An earlier treatment may be required to prevent nutsedge from competing with the crop
- 3 Certain biotypes of this weed species are known to be resistant to ALS herbicides. Where these ALS resistant biotypes are known to exist, an appropriate registered herbicide active against the weed and with another mode of action should be used alone or in tank mixtures with GWN 3061 to control these biotypes
- 4 Higher Rates 1 – 1 1/3 ounce required for control
- 5 Tank Mix with 2,4-D and dicamba on sorghum and corn
- 6 Tank Mix with dicamba on sorghum and corn
- 7 Tank Mix with Accent Option or Steadfast on corn
- 8 Tank mix with Beacon on corn

WEEDS CONTROLLED BY GWN 3061 ALONE OR IN TANK MIX COMBINATIONS (see Footnotes) continued

C = Control S = Suppression NA = No Activity

WEED SPECIES	PREEMERGENT ACTIVITY	POSTEMERGENT ACTIVITY
Ragweed giant ³ <i>Ambrosia trifida</i>	NA	C ³
Redstem ⁴ <i>Ammannia auncolata</i>	NA	C ⁴
Ricefield Bulrush ³ <i>Scirpus mucronatus</i>	NA	C ³
Ryegrass Italian ⁷ <i>Lolium multiflorum</i>	NA	C ⁷
Sandbur ⁷	NA	C ⁷
Sesbania Hemp <i>Sesbania exaltata</i>	NA	C
Shattercane ^{7, 8} <i>Sorghum bicolor</i>	NA	C ^{7, 8}
Signalgrass broadleaf ⁷	NA	C ⁷

WEED SPECIES	PREEMERGENT ACTIVITY	POSTEMERGENT ACTIVITY
Shepherdspurse <i>capsella bursa pastoris (L.) medicus</i>	C	S
Sida prickly	NA	C
Smallflower Umbrellaplant ⁴	NA	C ⁴
Smartweed Pennsylvania <i>Polyfonum pensylvanicum</i>	C	C
Sorghum Alum ^{7, 8}	NA	C ^{7, 8}
Thistle Canada ⁵ <i>Cirsium arvense</i>	NA	C ⁵
Sunflower <i>Helianthus annuus</i>	C	C
Velvetleaf <i>Abutilon theophrasti</i>	C	C

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- 3 Certain biotypes of this weed species are known to be resistant to ALS herbicides. Where these ALS resistant biotypes are known to exist, an appropriate registered herbicide active against the weed and with another mode of action should be used alone or in tank mixtures with GWN 3061 to control these biotypes
- 4 Higher Rates 1 – 1 1/3 ounce required for control
- 5 Tank Mix with 2,4-D and dicamba on sorghum and corn
- 6 Tank Mix with dicamba on sorghum and corn
- 7 Tank Mix with Accent Option or Steadfast on corn
- 8 Tank mix with Beacon on corn

FIELD CORN AND FIELD CORN GROWN FOR SEED

Corn Growth Stage When used alone, GWN 3061 can be applied over the top or with drop nozzles from the spike through lay by stage of field corn. GWN 3061 may be applied up to 2 applications with a total application not to exceed 2 2/3 ounces of product by weight (0.125 pound active ingredient) per acre per use season. Following application to foliage, allow 30 days before grazing domestic livestock, harvesting forage, or harvesting silage.

**WEEDS CONTROLLED
GWN 3061
CORN USE RATE GUIDE**

Use Rate – 2/3 ounce of product by weight per acre
(0.031 pound active ingredient per acre)

Weed Species	Size Range Height (inches)
Cocklebur common	1 to 9
Fleabane Philadelphia	1 to 3
Kochia	1 to 3*
Mallow Venice	1 to 3
Nutsedge yellow ¹	3 to 6
purple	3 to 6
Passionflower maypop	1 to 3
Pigweed redroot	1 to 3*
Pokeweed common	1 to 6
Ragweed common	1 to 9
giant	1 to 3
Smartweed Pennsylvania	1 to 2
Sunflower common	1 to 12
Velvetleaf	1 to 9

* Refer to Weeds Controlled Section of this label
¹ Heavy infestations of nutsedge may require sequential applications. An earlier treatment may be required to prevent nutsedge from competing with the crop.

9/20

WEEDS CONTROLLED
GWN 3061
CORN USE RATE GUIDE (continued)
 Use Rate – 1 to 1 1/3 ounces of product by weight per acre
 (0.047 to 0.062 pound active ingredient per acre)

Weed Species	Size Range Height (inches)
Cocklebur common	9 to 14
Mallow Venice	4 to 12
Milkweed honeyvine	1 to 6
Mustard wild	4 to 6
Nutsedge yellow ¹	3 to 12
purple	3 to 12
Pigweed redroot ²	4 to 6 *
Radish wild	4 to 6
Ragweed common	9 to 12
giant	4 to 6 *
Sunflower common	12 to 15
Velvetleaf ²	9 to 12

¹ Heavy infestations of nutsedge may require sequential applications. An earlier treatment may be required to prevent nutsedge from competing with the crop.

² For large velvetleaf and pigweed the addition of liquid nitrogen fertilizer (2 to 4 quarts per acre) plus crop oil concentrate or nonionic surfactant is recommended.

Refer to **'WEEDS CONTROLLED'** Section of this label.

WEEDS SUPPRESSED
 Use Rate – 2/3 to 1 1/3 ounces of product by weight per acre
 (0.031 to 0.062 pound active ingredient per acre)
 Ounces by weight per acre

Weed Species	2/3 ounce Height (in)	1 to 1 1/3 ounce Height (in)
Burcucumber	1 to 3	4 to 12
Kochia		3 to 6
Lambsquarters common	1 to 2	
Milkweed common	3 to 5	6 to 12
Milkweed honeyvine	1 to 3	
Morningglory		1 to 3

* Refer to **'WEEDS CONTROLLED'** section of this label.

Refer to the **ROTATIONAL CROP INFORMATION** section of this label for applicable rotational crop restrictions.

Tank Mixtures for Corn Only

Ensure that spray equipment is set up to avoid applying an excessive rate directly over the rows and into the whorl of the cornstalk. To insure good spray coverage of weeds and to reduce the risk of spraying directly into the whorl, tank mix applications made after corn is 24 inches tall should be directed or semi directed using drop nozzles.

GWN 3061 Tank Mixture Options in Field Corn & Seed Corn

Tank Mix Partners	Rate per Acre	Additives	Application Method	Comments
2,4-D (4 pounds/gal)	4.8 oz	NIS	• Broadcast up to 8' tall corn	• If corn exceeds 8' directed sprays with drop nozzles are required
Accent® Herbicide	0.67 oz	COC or NIS	• Broadcast or apply with drop nozzles to corn up to 24' tall • For corn 24' to 36' tall apply with drop nozzles only	• Ammonium nitrogen fertilizer (e.g. 28 percent) is also recommended as an additive • Avoid spraying directly into whorls of larger cornstalks • Refer to Accent® label for soil insecticide interaction information
Accent Gold® Herbicide	2.9 oz	COC	• Broadcast to corn up to 12' tall	• Ammonium nitrogen fertilizer (e.g. 28 percent) is also recommended as an additive • Do not apply to seed corn • Refer to Accent Gold label for soil insecticide interaction information
Atrazine 4L Herbicide	1.5 - 3 pts	COC	• Broadcast to corn up to 12' tall	• Control is best when weeds are small • Effective for burndown of grass weed escapes • Antagonism may occur on larger broadleaf weeds

10/20

Atrazine 90DF Herbicide	0.83 – 1.67 lb	COC	<ul style="list-style-type: none"> Broadcast to corn up to 12 tall 	<ul style="list-style-type: none"> Control is best when weeds are small Effective for burndown of grass weed escapes Antagonism may occur on larger broadleaf weeds
Banvel® Herbicide or Clarity® Herbicide	2.8 oz	NIS	<ul style="list-style-type: none"> Broadcast up to 36 tall corn Use lower Banvel rates or directed sprays on corn taller than 8 	<ul style="list-style-type: none"> COC may cause crop injury especially with higher Banvel/Clarity rates For large corn avoid direct spraying into whorl of cornstalk
Basis® Gold Herbicide	14 oz	COC or NIS	<ul style="list-style-type: none"> Broadcast to corn up to 12 tall 	<ul style="list-style-type: none"> Ammonium nitrogen fertilizer (e.g. 28 percent) is also recommended as an additive Do not apply to seed corn Refer to Basis Gold label for soil insecticide
Beacon® Herbicide	0.76 oz (1/2 packet)	COC or NIS	<ul style="list-style-type: none"> Broadcast or apply with drop nozzles to corn up to 20 tall For corn 20 to pre tassel apply with drop nozzles only 	<ul style="list-style-type: none"> Ammonium nitrogen fertilizer (e.g. 28 percent) is also recommended as an additive Avoid spraying directly into whorls of larger corn Refer to Beacon label for soil insecticide interaction restrictions Consult your dealer seed supplier or Syngenta representative for a list of susceptible hybrids
Buctril® Herbicide	0.5 – 1 pt	NIS	<ul style="list-style-type: none"> Broadcast to corn up to tassel emergence 	<ul style="list-style-type: none"> Leaf burn may occur COC or 28 percent may cause additional leaf burn
Buctril® Herbicide + Atrazine	1.2 pts	NIS	<ul style="list-style-type: none"> Broadcast to corn up to 12 tall 	<ul style="list-style-type: none"> Leaf burn may occur COC or 28 percent may cause additional leaf burn
Callisto® 4L Herbicide	3 oz	COC	<ul style="list-style-type: none"> Broadcast or apply with drop nozzles to field or seed corn up to 30 tall or 8 leaf collars 	<ul style="list-style-type: none"> Ammonium nitrogen fertilizer (e.g. 28%) is also recommended as an additive Refer to Callisto® label for soil insecticide interaction restrictions
Distinct® Herbicide	4 oz	NIS	<ul style="list-style-type: none"> Broadcast to corn up to 4-36 corn (V2-V10) 	<ul style="list-style-type: none"> For large corn avoid spraying into the whorls of cornstalks The use of COC is not recommended with Distinct® Herbicide
Glyphosate (various formulations)	0.56 – 1.125 lb/acid/a.i.	NIS	<ul style="list-style-type: none"> Broadcast or apply with drop nozzles to field corn up to 30-36 tall dependent on formulation. Consult individual product label Drop nozzles are recommended for applications made to GT corn between 24 tall 	<ul style="list-style-type: none"> The addition of spray grade ammonium sulfate (AMS) at 17 lb/100 gal spray mix is also required as an additive For use on corn hybrids tolerant to glyphosate herbicide ONLY
Impact® 2.8 L Herbicide	0.5 – 0.75 oz	NIS or COC	<ul style="list-style-type: none"> Broadcast or apply with drop nozzles to field or seed corn up to 36 tall 	<ul style="list-style-type: none"> NIS is recommended Ammonium nitrogen fertilizer (e.g. 28%) is also recommended as an additive
Liberty® 1.67L Herbicide	28 – 34 oz	AMS	<ul style="list-style-type: none"> Broadcast or apply with drop nozzles to field corn up to 24 tall. Applications can further be made with drop nozzles only up to 36 tall corn 	<ul style="list-style-type: none"> AMS (17 lb/100 gallons of spray mix) Do not add NIS or COC For use on corn hybrids tolerant to Liberty® Herbicide ONLY
Marksman® Herbicide	0.5 – 2 pts	NIS	<ul style="list-style-type: none"> Broadcast up to 8 tall corn 	<ul style="list-style-type: none"> COC may cause crop injury
Option® 35WDG Corn Herbicide	1.5 – 1.75 oz	COC	<ul style="list-style-type: none"> Broadcast or apply with drop nozzles to field corn between V1 and V6 state of growth. Applications can further be made with drop nozzles only from 16-36 tall corn 	<ul style="list-style-type: none"> Ammonium nitrogen fertilizer (e.g. 28%) or spray grade AMS (17 lb/100 gal) is also recommended as an additive Avoid spraying directly into the whorls of larger cornstalks Refer to Option® label for soil insecticide interaction restrictions Do not apply Option® to seed corn

11/20

Status [®] Herbicide	5 oz	NIS	<ul style="list-style-type: none"> Use drop nozzles on corn greater than 20 tall 	<ul style="list-style-type: none"> the use of COC is not recommended with Status[®] Herbicide
Steadfast [®] 75 DF Herbicide	0.75 oz	COC or NIS	<ul style="list-style-type: none"> Broadcast or apply with drop nozzles to field corn up to 20 tall or 6 leaf collars Drop nozzles are recommended if the crop canopy prevents adequate coverage 	<ul style="list-style-type: none"> COC is recommended Ammonium nitrogen fertilizer (e.g. 28%) or spray grade AMS (17 lb/100 gal) is also recommended as an additive Avoid spraying directly into the whorls of larger cornstalks Refer to Steadfast[®] label for tank mix and soil insecticide interaction restrictions

NIS = Nonionic surfactant COC = Crop oil concentrate
 Refer to **MIXING INSTRUCTIONS TANK MIXTURES** and **USE RATE GUIDES** sections of this label for detailed information
 Refer to the specific product labels and observe all precautions mixing and application instructions for all products used in tank mixtures Be sure to follow the specifications listed on the most restrictive label when planning and making applications

**TANK MIXTURES
CORN ONLY**

GWN 3061 plus 2 4 D plus NONIONIC SURFACTANT For the control of additional broadleaf weeds GWN 3061 may be applied in tank mixtures with 2 4 D Avoid spraying just after corn leaves unfold as injury may occur A GWN 3061 tank mixture with 2 4 D may be applied during the period from corn emergence through the 5 leaf stage or 8 inches tall whichever comes first If corn exceeds 8 inches directed spray applications with drop nozzles must be used for tank mixtures with 2 4 D

GWN 3061 plus ACCENT[®] plus NONIONIC SURFACTANT A tank mixture of GWN 3061 plus Accent[®] may be used for the post emergence control of annual broadleaf weeds and annual grasses in corn only GWN 3061 plus Accent[®] may be applied over the top or with drop nozzles to field corn up to 24 inches tall (free standing) For corn 24 to 36 inches tall refer to the Accent[®] label for application restrictions

GWN 3061 plus ATRAZINE GWN 3061 may be applied in combination with atrazine for post emergence control of labeled broadleaf weeds The addition of atrazine will also aid in the burn down and control of many grass weeds (1 5 inches or less) which have escaped pre emergence herbicide treatments Applications should be made when broadleaf weeds are small (3 inches or less) Mixtures with atrazine may result in reduced control (antagonism) of larger broadleaf weeds Use the labeled rate for GWN 3061 plus Atrazine 4L at 1 1/2 to 3 pints per acre (0 75 to 1 1/2 pounds active ingredient per acre) or Atrazine 90DF at 0 83 to 1 67 lbs per acre The addition of crop oil concentrate (COC) is recommended for this mixture

GWN 3061 plus BANVEL[®] or CLARITY[®] plus NONIONIC SURFACTANT For the control of additional broadleaf weeds GWN 3061 may be applied in tank mixtures with Banvel[®] A GWN 3061 tank mixture with low rates of Banvel[®] may be applied during the period beginning at corn emergence and continuing until corn is 36 inches in height Applications should not be made after corn exceeds 36 inches or 15 days before tassel emergence whichever comes first Clarity or Marksman may be substituted in this tank mixture

GWN 3061 plus BUCTRIL plus NONIONIC SURFACTANT GWN 3061 may be applied in combination with Buctril or Buctril + atrazine herbicides for post emergence control of many annual broadleaf weeds in corn Use 2/3 ounce of GWN 3061 by weight plus surfactant in combination with 1/2 to 1 pint of Buctril and 1 to 2 1/2 pints of BUCTRIL + atrazine herbicide

GWN 3061 plus BEACON[®] plus NONIONIC SURFACTANT A tank mixture of GWN 3061 plus Beacon[®] may be used for the post emergence control of annual broadleaf weeds and annual grasses in corn only GWN 3061 plus Beacon[®] may be applied over the top or directed to field corn when corn height is between 4 and 20 inches tall Drop nozzles are required with the Beacon[®] mixture when corn is between 20 inches and 36 inches tall

GWN 3061 plus CALLISTO[®] plus CROP OIL CONCENTRATE GWN 3061 plus Callisto[®] may be used to control annual broadleaf weeds in corn only GWN 3061 plus Callisto[®] can be applied over the top or with drop nozzles to field or seed corn up to 30 inches tall (or 8 leaf collars whichever is more restrictive)

GWN 3061 plus DISTINCT[®] or STATUS[®] plus NONIONIC SURFACTANT For the control of additional broadleaf weeds GWN 3061 may be applied in tank mixtures with Distinct[®] or Status[®] A GWN 3061 tank mixture with either Distinct[®] or Status[®] may be applied as a broadcast spray from 4 (V2 stage) to 36 (V10 stage) corn or 15 days prior to tassel emergence whichever comes first The use of drop nozzles is recommended on corn taller than 20 to ensure proper coverage of weeds and to avoid spraying into the whorls of cornstalks

GWN 3061 plus GLYPHOSATE plus NONIONIC SURFACTANT A tank mixture of GWN 3061 plus glyphosate may be used for Glyphosate Tolerant (GT) corn hybrids ONLY for control of grasses and broadleaves GWN 3061 plus glyphosate may be applied over the top or with drop nozzles to field corn up to 30 inches tall (or 8 leaf collars whichever is more restrictive) drop nozzles are recommended for applications made to GT corn between 24 30 inches) Note Certain glyphosate formulations allow applications over the top or with drops to GT corn up to 36 inches tall If using these formulations drop nozzles are still recommended for applications to GT corn from 24 36 inches if AMS is added apply at a rate of 17 lbs/100 gals

GWN 3061 plus IMPACT[®] plus NONIONIC SURFACTANT or CROP OIL CONCENTRATE A tank mixture of GWN 3061 plus Impact[®] may be used for control of annual broadleaf weeds and annual grasses in corn only GWN 3061 plus Impact[®] can be applied over the top or with drop nozzles to field or seed corn up to 36 inches tall Drop nozzles are recommended if the crop canopy prevents adequate coverage Refer to the Impact[®] label for use instructions additive requirements weeds controlled insecticide restrictions and applicable precautions

GWN 3061 plus LIBERTY[®] A tank mixture of GWN 3061 plus Liberty[®] may be used for Liberty Tolerant corn hybrids ONLY for control of broadleaf weeds and grasses GWN 3061 plus Liberty[®] can be applied over the top or with drop nozzles to field corn up to 24 inches tall (or 7 leaf collars whichever is more restrictive) applications can further be made with drop nozzles only up to 36 inch tall corn

12/20

GWN 3061 plus OPTION® plus CROP CONCENTRATE GWN 3061 plus Option® may be used to control annual broadleaf weeds and annual grasses in corn only GWN 3061 plus Option® can be applied over the top or with drop nozzles to field corn between V1 and V6 stage of growth applications can further be made with drop nozzles only from 16 36 inch tall corn DO NOT apply Option® to seed corn

GWN 3061 plus STEADFAST® plus NONIONIC SURFACTANT or CROP OIL CONCENTRATE A tank mixture of GWN 3061 plus Steadfast® may be used for control of annual broadleaf weeds and annual grasses in corn only GWN 3061 plus Steadfast® can be applied over the top or with drop nozzles to field corn up to 20 inches tall (or 6 collars whichever is more restrictive) Drop nozzles are recommended if the crop canopy prevents adequate coverage DO NOT apply Steadfast® to seed corn

GWN 3061 plus GLYPHOSATE plus NONIONIC SURFACTANT GWN 3061 may be applied at 2/3 ounce by weight per acre in combination with glyphosate herbicides labeled for agricultural uses for pre plant burn down of emerged annual grasses broadleaf weeds and nutsedge with Pioneer IR corn hybrids only Pioneer IR hybrids are required to ensure crop safety due to the pre plant application Banvel or 2 4 D may also be applied in this tank mixture for enhanced pre plant burn down of broadleaf weeds

GWN 3061 SOIL APPLICATIONS When used exclusively with Pioneer IR field corn hybrids GWN 3061 may be soil applied at the rate of 1 1/3 to 2 ounces by weight per acre (0 062 to 0 094 pound of active ingredient per acre) for residual control of velvetleaf common cocklebur common lambsquarters common ragweed pigweed smartweed sunflower and other difficult to control weeds

This product is recommended as an early pre plant surface applied pre plant incorporated or pre emergence treatment GWN 3061 offers effective broadleaf control across all tillage systems and is intended for use in tank mixtures with pre emergence grass herbicides including but not limited to alachlor acetochlor metolachlor and dimethenamid

Refer to the specific product labels and observe all precautions mixing and application instructions and follow crop intervals for all products used in tank mixtures

USE RATE GUIDE AND WEED HEIGHT RECOMMENDATIONS FOR CONTROL OF SELECT GRASSES WITH GWN 3061 TANK MIXES

(See Weeds Controlled Section for GWN 3061 for broadleaf weed heights and rates)

GWN 3061 Use Rate 4 to 8 ounces of product by weight per acre

Accent® Use Rate - 0 67 ounce by weight per acre

Beacon® Use Rate 0 76 ounce product by weight per acre

Option® Use Rate - 1 5 to 1 75 ounces of product by weight per acre

Steadfast® Use Rate - 0 75 ounces of product by weight per acre

Follow individual labels for use specifics and precautions

RECOMMENDED WEED HEIGHT (INCHES) AT TIME OF APPLICATION

	GWN 3061 + Accent	GWN 3061 + Beacon	GWN 3061 + Option	GWN 3061 + Steadfast
Barnyardgrass	up to 4		up to 4	up to 4
Bromegrass downy		--	up to 8	
smooth			up to 8	
Cupgrass woolly	up to 4	--	up to 2	up to 3
Fescue tall	--	--	up to 8	
Foxtails giant	up to 4	1 to 2	up to 6	up to 4
yellow	up to 4	1 to 2	up to 3	up to 4
green	up to 4	1 to 2	up to 3	up to 4
bristly	up to 4	1 to 2	up to 3	up to 4
Goosegrass			up to 4	up to 2
Johnsongrass rhizome	up to 18	8 to 16	up to 16	8 to 12
seedling	up to 12	4 to 12	up to 16	8 to 12
Millet wild proso	up to 4		up to 3	up to 4
Oats wild	up to 4		up to 6	up to 2
Orchardgrass			up to 8	
Panicum fall	up to 4	Less than 2	up to 3	up to 4
Panicum Texas	up to 3		up to 2	up to 4
Quackgrass	up to 10	4 to 8	up to 10	up to 8
Ryegrass Italian	up to 6	1 to 4	up to 8	up to 4
Sandbur field	up to 3	1 to 4	up to 2	up to 2
Shattercane	up to 12	4 to 12	up to 12	up to 6
Signalgrass broadleaf	1 to 2		up to 2	up to 2
Wirestem muhly	up to 8		up to 10	up to 4
Volunteer cereals	up to 6		up to 4	up to 2

GWN 3061 plus ACCENT® BEACON® OPTION® or STEADFAST® plus SOIL RESIDUALS

Alachlor acetochlor metolachlor and dimethenamid may be tank mixed with GWN 3061 and Accent Option or Steadfast or Beacon at the rates listed above for early post emergence and residual control of foxtails and other grass weeds in field corn (including seed corn) These tank mixtures will control emerged foxtails and other grasses as well as provide residual control or reduced competition of annual grasses and certain broadleaf weeds listed in the WEEDS CONTROLLED section of the specific herbicide labels

Apply these tank mixtures to small emerged annual grasses (target heights listed in the USE RATE GUIDE AND WEED HEIGHT RECOMMENDATIONS FOR CONTROL OF SELECT GRASSES WITH TUKON TANK MIXES section above) Include 28 percent nitrogen fertilizer at a rate of 4 gallons per 100 gallons of spray solution plus NIS at 1 quart per 100 gallons of spray solution in 15 to 30 gallons of water per acre

Follow all label directions and restrictions on maximum corn height for post applications

13/20

SWEET CORN AND POPCORN

Corn Growth Stage When used alone this product may be applied over the top or with drop nozzles from the spike through lay by stage of the corn

Apply 2/3 ounce by weight (0.031 pound active ingredient) of this product per acre broadcast over the top or with drop nozzles in sweet corn and popcorn. Mechanical cultivation may be required to control weeds species not on the label. Avoid cultivation for at least 7 days following application. If necessary a sequential treatment of this product at 2/3 ounce by weight per acre may be applied only with drop nozzles semi directed or directed to avoid application into the corn plant whorl. No more than 2 applications of this product may be made per year in sweet corn and popcorn. (Any single application must not exceed 2/3 ounce by weight per acre)

Following application to foliage allow 30 days before grazing domestic livestock harvesting forage or harvesting silage

This product may be applied to sweet corn and popcorn however the user assumes responsibility for such use. All hybrids/varieties have not been tested for sensitivity to GWN 3061 nor does Canyon have access to all seed company or processor data. Consequently any injury arising from the use of this product on sweet corn and popcorn is the responsibility of the user. Do not apply this product to sweet corn or popcorn unless the seed company processor or State Agricultural Extension service has tested this product on the particular hybrid/variety and specifically approves and recommends the use. Do not apply this product to sweet corn or popcorn if the crop is under severe stress due to drought water saturated soils low fertility (especially low nitrogen levels) or other poor growing conditions. Refer to the following **'WEEDS CONTROLLED** section for use rate recommendations. Also refer to the **ROTATIONAL CROP INFORMATION** section of this label for applicable rotational crop restrictions

This product is not recommended for use on Jubilee sweet corn

Canyon does not recommend application of this product to sweet corn or popcorn previously treated with soil applied organophosphate insecticides. Do not apply an organophosphate insecticide within 7 days before or 3 days after any application of this product

**WEEDS CONTROLLED
SWEET CORN AND POPCORN
USE RATE GUIDE**

Use Rate – 2/3 ounce of product by weight per acre
(0.031 pound active ingredient per acre)

Weed Species	Size Range Height (inches)
Cocklebur common	1 to 9
Fleabane Philadelphia	1 to 3
Kochia	1 to 3
Mallow Venice	1 to 3
Nutsedge yellow ¹	3 to 6
purple	3 to 6
Passionflower maypop	1 to 3
Pigweed redroot	1 to 3
Pokeweed common	1 to 6
Ragweed common	1 to 9
giant	1 to 3
Smartweed Pennsylvania	1 to 2
Sunflower common	1 to 12
Velvetleaf	1 to 9

¹ Heavy infestations of nutsedge may require sequential applications. An earlier treatment may be required to prevent nutsedge from competing with the crop

WEEDS SUPPRESSED
Use Rate – 2/3 to ounces of product by weight per acre
(0.031 pound active ingredient per acre)
Ounces by weight per acre

Weed Species	2/3 ounce Height (in)
Burcucumber	1 to 3
Kochia	
Lambsquarters common	1 to 2
Milkweed common	3 to 5
Milkweed honeyvine	1 to 3
Morningglory	

GRAIN SORGHUM (MILO)

Grain Sorghum Growth Stage GWN 3061 alone can be applied from the 2 leaf through lay by stage (before grain head emergence). Only apply GWN 3061 in a single application with the total application rate not to exceed 1.0 ounce of product by weight (0.047 pound active ingredient) per acre per use season

Temporary stature reduction may occur to the crop following application of GWN 3061 if the grain sorghum is under stress. This effect will be most evident 7 to 10 days after application. The crop will quickly recover under normal growing conditions

Following application to foliage allow 30 days before grazing domestic livestock harvesting forage or harvesting silage

14/20

**WEEDS CONTROLLED
GWN 3061
SORGHUM USE RATE GUIDE**

Use rate – 2/3 ounce of product by weight per acre
(0.031 pound active ingredient per acre)

Weed Species	Size Range Height (inches)
Cocklebur common	1 to 9
Fleabane Philadelphia	1 to 3
Kochia	1 to 3
Mallow Venice	1 to 3
Nutsedge yellow ¹	3 to 6
purple	3 to 6
Passionflower maypop	1 to 3
Pigweed redroot	1 to 3
Pokeweed common	1 to 6
Ragweed common	1 to 9
giant	1 to 3
Smartweed Pennsylvania	1 to 2
Sunflower common	1 to 12
Velvetleaf	1 to 9

¹ Heavy infestations of nutsedge may require sequential applications. An earlier treatment may be required to prevent nutsedge from competing with the crop.

**WEEDS CONTROLLED
GWN 3061
SORGHUM USE RATE GUIDE**

Use Rate – 1.0 ounce of product by weight per acre
(0.047 pound active ingredient per acre)

Weed Species	Size Range Height (inches)
Nutsedge yellow ¹	3 to 12
purple	3 to 12

¹ Heavy infestations of nutsedge may require sequential applications. An earlier treatment may be required to prevent nutsedge from competing with the crop.

WEEDS SUPPRESSED

Use rate – 2/3 ounce of product by weight per acre
(0.031 pound active ingredient per acre)

Weed Species	Size Range Height (inches)
Burcucumber	1 to 3
Lambsquarters common	1 to 2
Milkweed common	3 to 5
Milkweed honeyvine	1 to 3

Refer to the **ROTATIONAL CROP INFORMATION** section of this label for applicable rotational crop restrictions.

**TANK MIXTURES
GRAIN SORGHUM**

GWN 3061 plus 2,4-D plus NONIONIC SURFACTANT

A GWN 3061 tank mixture with 2,4-D may be applied to grain sorghum when the crop is 6 to 15 inches tall. If sorghum exceeds 8 inches, use drop nozzles and keep the spray off foliage. Do not treat during the boot, flowering, or dough stage. Applications should not be made when grain sorghum exceeds 15 inches. Do not treat grain sorghum during the boot, flowering, or dough stage. Clarity or Marksman may be substituted in this tank mixture.

GWN 3061 plus BUCTRIL plus NONIONIC SURFACTANT

GWN 3061 may be applied in combination with Buctril or Buctril + atrazine herbicides for post-emergence control of many annual broadleaf weeds in grain sorghum. Use 2/3 ounce of GWN 3061 by weight plus surfactant in combination with 1/2 to 1 pint of Buctril and 1 to 2 1/2 pints of Buctril + atrazine herbicide.

GWN 3061 plus ATRAZINE

GWN 3061 may be applied in combination with atrazine for post-emergence control of labeled broadleaf weeds. The addition of atrazine will also aid in the burn-down and control of many grass weeds (1.5 inches or less) which have escaped pre-emergence herbicide treatments. Applications should be made when broadleaf weeds are small (3 inches or less).

Mixtures with atrazine may result in reduced control (antagonism) of larger broadleaf weeds. Use the labeled rate of GWN 3061 plus Atrazine 4L at 1 1/2 to 3 pints per acre (0.75 to 1 1/2 pounds active ingredient per acre). The addition of crop oil concentrate (COC) is recommended for this mixture.

Refer to the specific product labels and observe all precautions, mixing and application instructions, and follow crop intervals for all products used in tank mixtures.

15/20

RICE

PRE EMERGENCE AND POST EMERGENCE APPLICATIONS TO RICE

GWN 3061 may be applied for post emergent weed control from prior to the emergence of rice through permanent flood. GWN 3061 may be applied at 2/3 to 1 1/3 ounce by weight per acre with the total application rate not to exceed 1 1/3 ounce of product by weight (0.062 lb active ingredient) per acre per use season.

GWN 3061 can be applied as a foliar spray or dry broadcast.

GWN 3061 may be applied at 2/3 ounce by weight per acre in combination with Glyphosate agricultural herbicides for pre plant burn down of emerged annual grasses, broadleaf weeds and nutsedge. If this product is applied pre plant burn down refer to **TIME INTERVAL BEFORE PLANTING** table in complete Directions for Use.

This product may be tank mixed with propanil containing rice herbicides (e.g. Stam M4 and Propanil 4E) at 2/3 to 1 1/3 ounce per acre of this herbicide and labeled rates of the tank mix products.

Foliar applications of GWN 3061 may be made at the 3-5 leaf stage of rice when weeds have 2-4 leaves. Dry broadcast applications may be made at the 1-2 leaf stage of rice when weeds have two leaves or less.

This product may also be applied post flood with dry broadcast applications of GWN 3061 herbicide at 1 to 1 1/3 ounce by weight per acre with the total application rate not to exceed 1 1/3 ounce product by weight per acre per use season.

It is best to use 0.25 to 0.5 percent nonionic surfactant which contains at least 80% active ingredient with foliar applications of GWN 3061.

With all foliar applications of GWN 3061 use a minimum 3.15 gallons of water per acre for aerial equipment and a minimum of 10 gallons of water per acre for ground equipment. It is best to apply spray solutions the day they are mixed. **Note:** See APPLICATION EQUIPMENT AND INSTRUCTIONS section for spray drift management techniques.

Water levels in rice fields and checks should remain static (3 inch to 6 inch depth) following dry broadcast applications of GWN 3061. Do not reintroduce water into rice fields or checks for at least five days following dry broadcast applications of GWN 3061. Rice fields and checks may be irrigated to maintain water level but this may reduce weed control.

Control of emerged weeds with foliar applications is best when 70% - 80% of the weed foliage is exposed. Control of submerged weeds is best when weeds have 2 leaves or less. Do not reintroduce water into rice fields or checks for at least 24 hours following foliar applications of GWN 3061.

Do not apply within 48 days of harvest. Do not apply within 69 days of harvest in California.

CAUTION: To ensure product effectiveness avoid using GWN 3061 on rice fields which have a history of weed biotypes resistant to Londax.

SEQUENTIAL APPLICATIONS

GWN-3061 herbicide may be applied sequentially with Ordram, Bolero, Clincher, Regiment and Shark. Read the Ordram, Bolero, Clincher, Regiment and Shark labels for application information, restrictions and precautions.

**WEEDS CONTROLLED BY
GWN 3061
RICE USE RATE**

Use Rate - 2/3 to 1 1/3 ounces of product by weight per acre
(0.031 to 0.062 pound active ingredient per acre)
Ounces by weight per acre

Weed Species	2/3 ounce Height (inches)	1 to 1 1/3 oz Height (inches)
Cocklebur common	1 to 9	9 to 14
Dayflower	1 to 2	3 to 4
Eclipta	1 to 4	4 to 8
Flatsedge rice	1 to 9	9 to 12
Fleabane Philadelphia	1 to 3	
Jointvetch	1 to 2	3 to 4
Kochia	1 to 3	
Mallow Venice	1 to 3	4 to 12
Milkweed honeyvine		1 to 6
Mustard wild		4 to 6
Nutsedge yellow ¹	1 to 6	6 to 12
purple	1 to 6	6 to 12
Passionflower maypop	1 to 3	
Pigweed redroot ²	1 to 3	4 to 6
Pokeweed common	1 to 6	
Radish Wild		4 to 6
Ragweed common	1 to 9	9 to 12
giant	1 to 3	4 to 6
Sesbania Hemp	1 to 3	3 to 6
Sida Prickly	1 to 2	3 to 4
Smartweed Pennsylvania	1 to 2	
Sunflower common	1 to 12	12 to 15
Velvetleaf ²	1 to 9	9 to 12

16/20

¹ Heavy infestations of nutsedge may require sequential applications. An earlier treatment may be required to prevent nutsedge from competing with the crop.

² For large velvetleaf and pigweed the addition of liquid nitrogen fertilizer (2 to 4 quarts per acre) plus crop oil concentrate or nonionic surfactant is recommended.

WEEDS CONTROLLED

Use Rate – 1 to 1 1/3 ounces of product by weight per acre
(0.047 to 0.062 pound active ingredient per acre)

Weed Species

- California Arrowhead
- Redstem
- Ricefield Bulrush
- Smallflower Umbrellaplant

WEEDS SUPPRESSED

Use Rate – 2/3 to 1 1/3 ounces of product by weight per acre
(0.031 to 0.062 pound active ingredient per acre)
Ounces by weight per acre

Weed Species	2/3 ounce Height (inches)	1 to 1 1/3 oz Height (inches)
Burcucumber	1 to 3	4 to 12
Kochia		3 to 6
Lambsquarters common	1 to 2	
Milkweed common	3 to 5	6 to 12
Milkweed honeyvine	1 to 3	—
Morningglory		1 to 3

* Refer to **WEEDS CONTROLLED** section of the label booklet

SUGARCANE

When used alone this product may be applied prior to planting or after the emergence of the sugarcane and until row closure. Apply 2/3 to 1 1/3 ounces by weight (0.031 to 0.062 pound active ingredient) of this product per acre. Mechanical cultivation may be required to control weed species not on the label. If so, a **sequential treatment** may be required to control weeds in areas of disturbed soil. No more than 3 applications (including pre plant applications) may be made with the total use rate not to exceed 2 2/3 ounces of product by weight (0.125 pound active ingredient) per acre per year.

Following application to foliage allow 30 days before grazing domestic livestock, harvesting forage, or harvesting silage.

This product may be applied at 2/3 to 1 1/3 ounces by weight per acre (0.031 to 0.062 pound active ingredient per acre) in combination with Glyphosate agricultural herbicides for pre plant burn down of emerged annual grasses, broadleaf weeds and nutsedge in sugarcane.

**WEEDS CONTROLLED
SUGARCANE**

Use Rate – 2/3 to 1 1/3 ounces of product by weight per acre
(0.031 to 0.062 pound active ingredient per acre)
Ounces by weight per acre

Weed Species	2/3 ounce Height (inches)	1 to 1 1/3 oz Height (inches)
Cocklebur common	1 to 9	9 to 14
Fleabane Philadelphia	1 to 3	
Kochia	1 to 3	
Mallow Venice	1 to 3	4 to 12
Milkweed honeyvine		1 to 6
Mustard wild		4 to 6
Nutsedge yellow ¹	3 to 6	4 to 12
purple	3 to 6	4 to 12
Passionflower maypop	1 to 3	
Pigweed redroot ²	1 to 3	4 to 6
Pokeweed common	1 to 6	
Radish Wild		4 to 6
Ragweed common	1 to 9	9 to 12
giant	1 to 3	4 to 6
Smartweed Pennsylvania	1 to 2	
Sunflower common	1 to 12	12 to 15
Velvetleaf ²	1 to 9	9 to 12

¹ Heavy infestations of nutsedge may require sequential applications. An earlier treatment may be required to prevent nutsedge from competing with the crop.

² For large velvetleaf and pigweed the addition of liquid nitrogen fertilizer (2 to 4 quarts per acre) plus crop oil concentrate or nonionic surfactant is recommended.

17/
20

WEEDS SUPPRESSED
Rate - 2/3 to 1 1/3 ounces of product by weight per acre
(0.031 to 0.062 pound active ingredient per acre)
Ounces by weight per acre

Weed Species	2/3 ounce Height (inches)	1 to 1 1/3 oz Height (inches)
Burcucumber	1 to 3	4 to 12
Kochia	*	3 to 6
Lambsquarters common	1 to 2	
Milkweed common	3 to 5	6 to 12
Milkweed honeyvine	1 to 3	
Morningglory		1 to 3

Refer to **WEEDS CONTROLLED** section of this label

**TANK MIXTURES
SUGARCANE**

GWN 3061 may be tank mixed with Asulam (Asulox[®]) Atrazine Ametryn (Evik[®]) or 2 4 D for application in sugarcane

GWN 3061 plus GLYPHOSATE AGRICULTURAL HERBICIDES plus NONIONIC SURFACTANT GWN 3061 may be applied at 2/3 to 1 1/3 ounces by weight per acre (0.031 to 0.062 pound a /acre) in combination with recommended rates of glyphosate agricultural herbicides for pre plant burn down of emerged annual grasses broadleaf weeds and nutsedge in sugarcane

GWN 3061 plus ASULAM plus NONIONIC SURFACTANT or CROP OIL CONCENTRATE GWN 3061 may be applied in tank mixtures with asulam for the control of labeled grasses A GWN 3061 tank mixture with asulam may be applied to sugarcane before crop emergence or post emergence until 90 days before harvest Up to 2 applications per year may be made in accordance with label recommendations Use rate recommended is 2/3 to 1 1/3 ounces GWN 3061 plus 6 to 8 pints asulam (only 2 treatments of asulam per year may be applied) per acre

GWN 3061 plus ATRAZINE plus NONIONIC SURFACTANT or CROP OIL CONCENTRATE GWN 3061 may be applied in combination with atrazine for post emergence control of labeled broadleaf weeds in sugarcane The addition of atrazine will also aid in the burn down and control of many grass weeds (1 5 inches or less) which have escaped pre emergence herbicide treatments Applications should be made when broadleaf weeds are small (3 inches or less) Mixtures with atrazine may result in reduced control (antagonism) of larger broadleaf weeds Use rate recommended is 2/3 to 1 1/3 ounces GWN 3061 plus 4 to 8 pints atrazine per acre Follow the specific recommendations on an atrazine label for number and timing of applications and for maximum number of applications per year

GWN 3061 plus AMETRYN plus NONIONIC SURFACTANT GWN 3061 may be applied in tank mixtures with ametryn for the control of additional broadleaf weeds and grasses A GWN 3061 tank mixture with ametryn may be applied to sugarcane before crop emergence or post emergence until row closure Use rate recommended is 2/3 to 1 1/3 ounces of GWN 3061 to 1/2 to 1 1/2 pounds ametryn per acre Efficacy may be reduced if temperatures exceed 85 degrees during application Follow the specific recommendations on an ametryn label for number and timing of applications and for maximum number of applications per year

GWN 3061 plus 2 4 D AMINE plus NONIONIC SURFACTANT GWN 3061 may be applied in tank mixtures with 2 4 D amine for the control of additional broadleaf weeds A GWN 3061 tank mixture with 2 4 D may be applied to sugarcane before crop emergence or post emergence until 6 weeks before harvest Use rate recommended is 2/3 to 1 1/3 ounces of GWN 3061 plus 2 to 4 pints per acre (1 to 2 pounds active ingredient per acre) 2 4 D Up to 4 treatments per year may be applied

Refer to the companion product labels for use rates restrictions and other important application information See the companion labels for additional weeds controlled by these tank mixtures Always follow the directions for use provided on the companion product label including any state restrictions

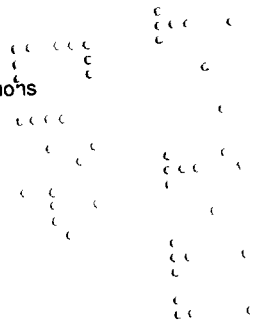
COTTON

GWN 3061 may be applied as a directed spray in hooded equipment for post emergent weed control in emerged cotton Applications may be made anytime after cotton emergence until row closure inhibits use of hooded spray equipment The applicator is responsible for maintaining proper spray speed and equipment position so spray mist does not contact cotton plants

GWN 3061 alone may be applied at 2/3 to 1 1/3 ounce by weight per acre with the total application rate not to exceed 1 1/3 ounce of product by weight (0.062 lb active ingredient) per acre per use season Contact of the herbicide solution with desirable vegetation may result in damage or destruction

Do not apply within 28 days of harvest

Also refer to the **ROTATIONAL CROP INFORMATION** section of this label for applicable rotational crop restrictions



19/20

ROTATIONAL CROP INFORMATION

Labeled crops may be planted at specified time intervals following application of approved rates of GWN 3061 Use the time intervals listed below to determine the required time interval before planting

**TIME INTERVAL BEFORE PLANTING
(Months after treatment with GWN 3061)**

Crop	Months	Exceptions
IR/IMR Field corn	0	
Sugarcane	0	
IT Field corn	1	
Normal Field corn	1	
Barley (winter)	2	
Forage Grasses	2	
Oats	2	
Proso Millet	2	
Rice	2	
Rye (winter)	2	
Seed corn	2	
Sorghums	2	
Spring cereal crops	2	
Wheat (winter)	2	
Popcorn Sweetcorn	3	
Cotton	4	
Peanuts	6	
Tomato (transplant)	8	
Alfalfa	9	
Clovers	9	
Dry Beans	9	2 months in the northeast southeast TX and CO
Field Peas	9	
Peas	9	
Potatoes	9	
Cucumbers Pumpkins Squash	9	
Snap Beans	9	2 months in the northeast and southeast 3 months in TX
Soybeans	9	
Peppers	10	
Eggplant	12	
Radish	12	
Cabbage	15	
Canola	15	
Carrot	15	
Mint	15	
Broccoli Cauliflower Collards	18	
Leeks Onions	18	
Lettuce crops	18	
Sunflowers	18	
Sugar beet (Michigan only)	21	
Sugar beet and Red Beet	24
Spinach	24
Sugar beet (ND MN Red River Valley) *	36

* In crop and preplant applications of GWN 3061 to sweetcorn and popcorn are based on application rates and timings specific for use in those crops. Rotational interval must be adhered to for planting subsequent sweet corn or popcorn crops after GWN 3061 applications in sweetcorn or popcorn crops that are lost terminated or harvested

** Also includes other regions where rainfall is sparse or irrigation is required

Refer to individual product labels to determine rotational crop restrictions when tank mixtures are used

<p>Southeast LA MS AL FL GA NC SC TN Puerto Rico</p> <p>Northeast PA DE MA MD NY ME NJ CT RI VA NH VT WV MI WI MN IA IL IN OH MO KY ND SD NE</p>
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