

81880-26

1/5/2012

1 of 13



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

JAN 5 2012

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

Subject: Notification per PR Notice 98-10 – Add State Specific Restriction (NY)
Permit Plus
EPA Reg. No. 81880-26
Application Dated – December 11, 2011

Dear Ms. Turner:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the subject product.

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

If you have any questions regarding this letter, please contact Maggie Rudick at (703) 347-0257 or rudick.maggie@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Kable Bo Davis", written over a horizontal line.

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

2013

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060

Print Form



United States
Environmental Protection Agency
Washington, DC 20460

 Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 81880	2. EPA Product Manager Kable (Bo) Davis	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Canyon Group L.L.C. c/o Gowan Company, L.L.C.	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) 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 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.)

addition of aerial application restriction in state of New York

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product		<input 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 Patti Turner	Title Agent for Canyon Group	Telephone No. (Include Area Code) 928-539-5467
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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.

2. Signature 	3. Title Agent for Canyon Group, L.L.C.	6. Date Application Received (Stamped)
4. Typed Name Patti Turner	5. Date Dec 11, 2011	



The Go To Company

P.O. Box 5569 ▲ Yuma, AZ 85366-5569 ▲ Phone (928) 783-8844 ▲ FAX (928) 343-9255

December 11, 2011

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

**ATTN: Kable (Bo) Davis, PM Team 25, Phone (703) 306-0415
Herbicide Branch, Registration Division (7505C)**

**RE: Notification of Label Amendment per PR Notice 98-10
EPA Reg. No. 81880-26, Permit Plus Herbicide**

Dear Mr. Davis:

On behalf of Canyon Group L.L.C., Gowan Company is submitting the enclosed Letter of Notification to add the statement "This product is limited to ground application only in the State of New York. Do not apply by air in this state." to the Permit Plus label. This action was requested by the Product Registration Section of NYSDEC on November 21, 2011.

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.

**NOTIFICATION
JAN - 5 2012**

This package contains:

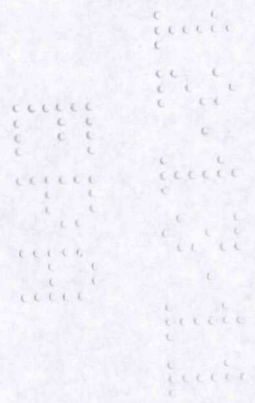
- EPA Form 8570-1 Application Form
- One (1) copy of the proposed label

Should any questions or concerns arise, please contact me at (928) 539-5467 or pturner@gowanco.com

Sincerely,

Patti Turner
Registrations Manager

Enclosures



NOTIFICATION

PERMIT PLUSTM

Herbicide

JAN - 5 2012

PERMIT PLUS is a selective herbicide for the control of listed annual broadleaf weeds and nutsedge in field corn, fallow ground, and sulfonylurea-tolerant soybeans.

	% By Wt.
ACTIVE INGREDIENTS:	
Halosulfuron-methyl	66.2%
Thifensulfuron-methyl.....	7.78%
OTHER INGREDIENTS	26.02%
	TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN

WARNING-AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes or on clothing. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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 ON SKIN	<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 SWALLOWED	<ul style="list-style-type: none"> • Call poison control center or physician immediately for treatment advice. • 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.
<p>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 PERMIT PLUS, EPA Reg. No. 81880-26.</p>	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- Shoes plus socks.
- Protective eyewear
- Chemical-resistant gloves made of any waterproof material (such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber). For more options, follow instructions for category A (dry and water-based formulations) on an EPA chemical-resistant category selection chart.

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.

NET CONTENTS: _____ OUNCES

Produced For:
 Canyon Group L.L.C.
 c/o Gowan Company, L.L.C.
 P.O. Box 5569
 Yuma, Arizona 85366-5569

EPA Reg. No 81880-26
 EPA Est. No. xxxx

5013

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 wash waters. 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

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product **must** only be used in accordance with the Directions for Use on this label or in separately published Canyon Group L.L.C. 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.

PRODUCT INFORMATION

Biological Information

The level of weed control following PERMIT PLUS 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. Where allowed, sequential applications may be required to control later weed flushes. Soon after PERMIT PLUS 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.

Resistance Management

PERMIT PLUS contains Group 2 herbicides. Any weed population may contain or develop plants naturally resistant to Group 2 herbicides. Weed species with acquired resistance to Group 2 herbicides may eventually dominate the weed population if Group 2 herbicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by PERMIT PLUS or other Group 2 herbicides.

To delay herbicide resistance consider:

- Avoiding the consecutive use of PERMIT PLUS or other target site of action Group 2 herbicides that have a similar target site of action, on the same weed species.
- Using tank-mixtures or premixes with herbicides from different target site of action Groups as long as the involved products are all registered for the same use, have different sites of action, and are both effective at the tank mix or prepack rate on the weed(s) of concern.
- Basing herbicide use on a comprehensive IPM program.
- Monitoring treated weed populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for herbicide resistance management and/or integrated weed management recommendations for specific crops and resistant weed biotypes.

For further information or to report suspected resistance, you may contact Gowan Company, L.L.C. at 1-800-883-1844 or at www.gowanco.com.

MIXING INSTRUCTIONS

Mixing Directions: Continuous agitation is required to keep the product in suspension.

- Turn on spray tank agitation. Fill the spray tank to about three-fourths of the desired volume with water or carrier
- Add the specified 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.

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Nonionic Surfactant (NIS) is required in the PERMIT PLUS spray solution. Use an NIS which is approved by EPA for use on food crops and which contains at least 80 percent active ingredient. Use NIS at 0.25 to 0.5% v/v concentration (=1 to 2 quarts per 100 gallons of spray solution).

Crop oil concentrate (COC) may be used with PERMIT PLUS instead of NIS. Do not use both NIS and COC in the spray mixture. Add COC to the spray mixture at 1% v/v concentration (=1 gallon per 100 gallons of spray solution). Use only an EPA approved, high quality petroleum or vegetable-based crop oil concentrate which contains at least 14 percent emulsifiers.

Nitrogen fertilizer should be added to the spray solution for postemergence applications to improve the control of certain species. Apply a high quality, granular spray grade ammonium sulfate at a rate of 2 to 4 pounds per acre. Use of liquid AMS solution is allowed as long as the use rate selected equates to the amount of actual nitrogen applied in 2-4 lbs. of granular AMS. Another option would be to use liquid nitrogen fertilizer solution (e.g. 28-0-0) at a rate of 2 to 4 quarts per acre. Do not use liquid nitrogen fertilizer solutions or suspensions as the total carrier for postemergence applications or excessive crop injury may occur.

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 stress due to weather, disease, insect damage, or combinations of these factors. PERMIT PLUS is rainfast after 4 hours; rainfall or irrigation occurring within 4 hours after application may reduce effectiveness.

Thoroughly clean application equipment prior to mixing PERMIT PLUS spray solutions, after PERMIT PLUS use, and prior to spraying a crop other than those listed on the label. 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.

Ground Applications

Apply PERMIT PLUS uniformly with properly calibrated ground equipment in 10 or more gallons of water per acre. Other common carrier solutions may be used for directed applications as long as spray contact with crop foliage is avoided. Select spray volumes that ensure thorough and uniform weed coverage. Choose nozzles which provide optimum spray distribution and coverage at the appropriate pressure (psi).

Aerial Applications

This product is limited to ground application only in the State of New York. Do not apply by air in this state. Apply this product or approved tank mixtures with properly calibrated equipment in 3 to 15 gallons of water per acre.

Do not apply this product through any type of irrigation system. Regardless of application equipment selected, avoid streaking, skips, overlaps, and spray drift during applications. Avoid disturbing (e.g., cultivation) treated areas for at least 7 days following application.

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 all applications to agricultural field crops.

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 and placement (all applications):

- **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** – For nozzles oriented downward remember that 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 (special considerations for aerial applications):

- **Boom length** – The distance of the outer most nozzles on the boom must not exceed ¾ the length of the wingspan or rotor. For some use patterns, reducing the effective boom length to less than ¾ of the wingspan or rotor length may further reduce drift without reducing swath width.
- **Nozzle orientation** – Nozzles should never be pointed downwards more than 45 degrees. Where states have more stringent regulations, they should be observed.
- **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).

WEED CONTROLLED BY PERMIT PLUS ALONE

C = Control, S = Suppression, NA = No Activity

WEED SPECIES	PREEMERGENT ACTIVITY	POSTEMERGENT ACTIVITY
Alligator Weed <i>Alternanthera philoxeroides</i>	NA	S
Amaranth, Spiny ² <i>Amaranthus spinosus</i>	C ²	C ²
Barnyardgrass ⁵ <i>Echinochloa crusgalli</i>	S ⁵	NA
Bindweed <i>Calystegia sepium</i>	NA	S
Burcucumber <i>Sicyos angulatus</i>	NA	S
Cocklebur, common <i>Xanthium strumarium</i>	C	C
Corn Spurry <i>Spergula arvensis</i>	C	C
Cutleaf Groundcherry <i>Physalis angulata</i>	NA	C
Spreading Dayflower <i>Commelina diffusa</i>	C	C
Duck Salad ⁴ <i>Heteranthera limosa</i>	NA	C ⁴
Eclipta <i>Ecilpta prostrata</i>	C	S
Flatsedge, Rice ² <i>Cyperus iria</i>	S ²	C ²
Fleabane, Philadelphia <i>Erigeron philadelphicus</i>	NA	C
Galinsoga <i>Galinsoga spp.</i>	C	C
Golden Crownbeard <i>Verbesina encliodes</i>	NA	C
Goosefoot <i>Chenopodium californicum</i>	C	C
Groundcherry <i>Physalis angulata</i>	NA	C
Groundsel, common <i>Senecio vulgaris</i>	C	NA
Horsenettle <i>Solanum carolinense</i>	NA	C
Horseweed/Marestail ² <i>Erigeron canadensis</i>	C ²	NA
Horsetail <i>Equisetum arvense</i>	NA	S
Jimsonweed <i>Datura stramonium</i>	C	S
Jointvetch <i>Aeschynomene virginica</i>	NA	C

WEED SPECIES	PREEMERGENT ACTIVITY	POSTEMERGENT ACTIVITY
Kochia ² <i>Kochia scoparia</i>	C ²	S ²
Ladysthumb <i>Polygonum persicaria</i>	C	C
Lambsquarter, common <i>Chenopodium album</i>	C	C
Mallow, Venice <i>Hibiscus trionum</i>	NA	C
Milkweed, common <i>Asclepias syriaca</i>	NA	S
Milkweed, honeyvine <i>Ampelamus albidus</i>	NA	S
Morningglory, Ivyleaf <i>Ipomoea hederacea</i>	NA	S
Morningglory, Tall ⁴ <i>Ipomoea purpurea</i>	NA	S
Mustard, wild <i>Sinapis arevensis</i>	C	C
Nutsedge, Yellow ¹ <i>Cyperus exculentus</i>	S	C ¹
Nutsedge, Purple ¹ <i>Cyperus rotundus</i>	S	C ¹
Passionflower, Maypop <i>Passiflora incarnata</i>	NA	C
Pigweed, redroot ² <i>Amaranthus retrofflexus</i>	C ²	C ²
Pigweed, smooth ² <i>Amaranthus hybridus</i>	C ²	C ²
Pokeweed, common <i>Phytolacca americana</i>	NA	C
Purslane <i>Portulaca oleracea</i>	S	NA
Radish, wild <i>Rapharius raphanistrum</i>	C	C
Ragweed, common ² <i>Ambrosia artemisiifolia</i>	C ²	C ²
Ragweed, giant ² <i>Ambrosia trifida</i>	NA	C ²
Redstem <i>Ammania auriculata</i>	NA	C
Ricefield Bulrush ² <i>Scirpus mucronatus</i>	NA	C ²
Sesbania, Hemp <i>Sesbania exaltata</i>	NA	C
Shepherdspurse <i>Capsella bursa-pastoris</i>	C	S
Sida, prickly <i>Sida spinosa</i>	NA	C

WEED SPECIES	PREEMERGENT ACTIVITY	POSTEMERGENT ACTIVITY
Smallflower Umbrellaplant ^{3,4} <i>Cyperus difformis</i>	NA	C
Smartweeds, Annual <i>Polygonum spp.</i>	C	C

WEED SPECIES	PREEMERGENT ACTIVITY	POSTEMERGENT ACTIVITY
Sunflower <i>Helianthus annuus</i>	C	C
Texas Weed ⁴ <i>Caperonia palustris</i>	NA	S ⁴
Velvetleaf <i>Abutilon theophrasti</i>	C	C

1. Heavy infestations of nutsedge may require an early treatment to prevent competition with the crop. Where crop use directions allow, sequential applications may be necessary.
2. 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 PERMIT PLUS to control these biotypes. To control weeds not listed on this label a tankmix product can be added, refer to the tankmix section of this label.
4. Must be less than two inches in height.
5. Suppression on irrigated areas of the Mississippi Delta region only.

FIELD CORN

Corn Growth Stage: When used alone, PERMIT PLUS can be applied over-the-top or with drop nozzles to 2 to 6 leaf corn (1-5 collars). PERMIT PLUS can be applied only once per season at a rate of .75 oz/acre (0.031 pound halosulfuron per acre and 0.004 pound thifensulfuron per acre). Following application to foliage, allow 30 days before grazing domestic livestock, harvesting forage, or harvesting silage.

Apply PERMIT PLUS to field corn hybrids with a Relative Maturity (RM) of 88 days or more, including "food grade" (yellow dent, hard endosperm), waxy and high-oil corn. Not all field corn hybrids of less than 88 days RM, not all white corn hybrids or Hi-Lysine hybrids have been tested for crop safety, nor does Canyon Group, L.L.C. have access to all seed company data. Consequently, injury arising from the use of PERMIT PLUS on these types of corn is the responsibility of the user. Consult with your seed supplier before applying PERMIT PLUS to any of these corn types.

**WEEDS CONTROLLED
PERMIT PLUS
CORN USE RATE GUIDE**

Use Rate: 0.75 ounce of product by weight per acre

Weed Species	Size Range Height (inches)
Cocklebur, common	1 to 9
Fleabane, Philadelphia	1 to 3
Kochia	1 to 3 *
Lambsquarter	1 to 4
Mallow, Venice	1 to 3
Mustard, Wild	1 to 4
Nutsedge, yellow	3 to 6
purple	3 to 6
Passionflower, maypop	1 to 3
Pigweed, redroot	1 to 12 *
Pokeweed, common	1 to 6
Ragweed, common	1 to 9 *
giant	1 to 3 *
Smartweeds, Annual	1 to 6
Sunflower, common	1 to 12
Velvetleaf	1 to 9

* Refer to "Weeds Controlled" Section of this label.

WEEDS SUPPRESSED
Use Rate: 0.75 ounces of product by weight per acre

Weed Species	Size Range Height (inches)
Burcucumber	1 to 3
Jimsonweed	1 to 4
Kochia	*
Milkweed, common	3 to 5
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.

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**TANK MIXTURES
FIELD 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. Do not apply PERMIT PLUS to corn taller than 6 leaf corn or 5 collars.

PERMIT PLUS Tank-Mixture Options in Field Corn

Refer to "MIXING INSTRUCTIONS," and "USE RATE GUIDES" sections of this label for detailed information on PERMIT PLUS application.

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.

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.

Tankmixtures for additional broadleaf weed control, including but not limited to 2,4-D, Atrazine, Buctril®, Callisto®, Dicamba, Impact®, Laudis® or Status® can be added.

Tankmixtures for post emerge grass control, including but not limited to Accent®, Beacon®, Option® or Steadfast® can be added.

Tankmixtures for additional post emerge grass and broadleaf control, including but not limited to Glyphosate (glyphosate-tolerant corn only) or Ignite® (LibertyLink® hybrids only) can be added.

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.

PERMIT PLUS and SOIL RESIDUALS

Alachlor, acetochlor, metolachlor and dimethenamid may be tank mixed with PERMIT PLUS for residual control of foxtails and other grass weeds in field corn.

SULFONYLUREA-TOLERANT SOYBEANS

Preemergence or Preplant Spring Application Varieties Tolerant to Sulfonylurea Herbicides Only

Use rate: 0.75 – 1.5 oz/A (0.031 pound halosulfuron per acre and 0.004 pound thifensulfuron per acre to 0.062 pound halosulfuron per acre and 0.008 pound thifensulfuron per acre)

For contact and residual control or suppression of many labeled broadleaf winter and early-germinating summer annual weeds, apply PERMIT PLUS once per season as a preemergence or spring preplant treatment between 21 days before planting until prior to emergence (cracking). Apply to actively growing weeds free of visible stresses for best activity to occur.

To maximize burndown of existing broadleaf weeds, always add a crop oil concentrate (1% v/v) and granular AMS (2-4 lb/A) or UAN (1-2% v/v) to the mix.

For enhanced control of broadleaf winter or early-germinating summer annual weeds, PERMIT PLUS can be tank-mixed with glyphosate and/or 2,4-D LV ester. Base the use rate of 2,4-D or glyphosate on the label range of the given product and formulation chosen and follow all other use restrictions. If emerged grasses are present, always add glyphosate to control these weeds.

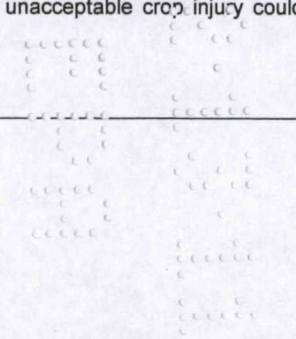
In reduced tillage systems, do not make any tillage operation after application of PERMIT PLUS.

While no instances of crop injury to sulfonylurea tolerant varieties have been seen from spring preplant or pre-emergence applications in research trials, not all soybeans have been screened for tolerance to PERMIT PLUS. Please consult with local seen agronomists for herbicide tolerance information. Do not apply PERMIT PLUS if plans include planting Adzuki beans as unacceptable crop injury could result.

Weeds Controlled or Suppressed – Pre Emergence Application

Use rate: 0.75 – 1.5 ounces of product by weight per acre

- Chickweed, common^b
- Cocklebur, common
- Deadnettle, purple^b
- Galinsoga, Hairy
- Groundsel, common
- Henbit^b
- Kochia^{a, d}
- Lambsquarters, common
- Marestail (horseweed)^{c, d}
- Mustard, wild
- Nutsedge, yellow



- purple
- Pennycress, field^b
- Pepperweed, field^b
- Pepperweed, Virginia^b
- Pigweed, redroot
- Ragweed, common^d
- giant^d
- Shepherdspurse
- Sunflower, common
- Velvetleaf

^a Tank-mix with 2,4-D recommended to achieve maximum control of emerged weeds
^b Tank-mix with glyphosate recommended for maximum control of emerged weeds
^c Tank-mix with glyphosate + 2,4-D recommended for maximum control of emerged weeds
^d Activity limited to ALS-sensitive biotypes only; reduced activity can be expected from ALS-tolerant biotypes

All applicable directions, restrictions and precautions on the EPA registered label are to be followed.

Postemergence Application to Soybean Varieties Tolerant to Sulfonylurea Herbicides Only

Use rate: 0.75 ounces per acre (0.031 pound halosulfuron per acre and 0.004 pound thifensulfuron per acre)

For contact and residual control of many broadleaf weeds and nutsedge, apply PERMIT PLUS once per season as a postemergence treatment to sulfonylurea tolerant soybean varieties only. Apply between the V1 stage to no later than 88 days prior to harvest. If the tolerant soybean variety selected is stacked with a glyphosate tolerant trait, then glyphosate must be tank-mixed with PERMIT PLUS. Base the use rate of glyphosate on the label range of the given product and formulation chosen and follow all other use restrictions.

Always add a non-ionic surfactant (0.25-0.5% v/v) or crop oil concentrate (1% v/v) unless specifically restricted by the particular glyphosate label chosen. Apply granular AMS (2-4 lb/A), liquid AMS (nitrogen rate applied equivalent to 2-4 lb/A of granular AMS) or UAN (2-4 qt/A) to the mix. Applications should be made to actively growing weeds free of stress for best activity to occur.

Do not apply PERMIT PLUS postemergence to straight Roundup Ready or conventional soybean varieties as severe crop injury will result. Occasional phytotoxicity symptoms may appear on some susceptible sulfonylurea tolerant varieties when this product is applied post emergence. Possible symptoms could include stunting (seen as a reduction in leaf size or internode length), yellowing leaves and/or red veins, and necrosis of the leaves and petioles. In varieties evaluated that have exhibited these symptoms, crop has quickly recovered after metabolizing the product. The potential for soybean injury is most pronounced with applications made during hot, humid conditions, under widely fluctuating weather or temperature conditions, or with applications to soybeans under stress.

WEEDS CONTROLLED – Postemergence Application

Weed Species	Size Range Height (inches)
Cocklebur, common	1 to 9
Dayflower	1 to 2
Eclipta	1 to 4
Flatsedge rice	1 to 9
Fleabane, Philadelphia	1 to 3
Jointvetch	1 to 2
Kochia	1 to 3
Mallow, Venice	1 to 3
Nutsedge: yellow	1 to 6
purple	1 to 6
Passionflower, maypop	1 to 3
Pigweed, redroot ¹	1 to 3
Pokeweed, common	1 to 6
Ragweed: common	1 to 9
giant	1 to 3
Sesbania. Hemp	1 to 3
Sida, Prickly	1 to 2
Smartweed, Pennsylvania	1 to 2
Sunflower, common	1 to 12
Velvetleaf ¹	1 to 9

¹ 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.

All applicable directions, restrictions and precautions on the EPA registered label are to be followed. Following application to foliage, allow 30 days before grazing domestic livestock, harvesting forage or harvesting silage.

**TANK MIXTURES
SULFONYLUREA-TOLERANT SOYBEANS ONLY**

PERMIT PLUS Tank-Mixture Options in Sulfonylurea-Tolerant Soybeans

Refer to "MIXING INSTRUCTIONS," and "USE RATE GUIDES" sections of this label for detailed information on PERMIT PLUS application.

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.

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.

Tankmixtures for additional broadleaf weed control, including but not limited to **VIDA**®, **Cobra**®, **Flexstar**®, or **Reflex**® can be added.

Tankmixtures for post emerge grass control, including but not limited to **TARGA**® or other graminicides can be added.

Tankmixtures for additional post emerge grass and broadleaf control, including but not limited to Glyphosate (glyphosate-tolerant soybeans only) or Ignite (LibertyLink tolerant soybeans only) can be added.

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.

FALLOW GROUND

Applications of PERMIT PLUS may be made to fallow ground at use rates ranging between 0.75 and 1.5 ounces of product by weight per acre. PERMIT PLUS may be applied up to 2 applications with a total application not to exceed 3 ounces of product by weight per acre per use season.

Refer to the "FIELD CORN" section of this label for weed control directions. Also refer to the "ROTATIONAL CROP INFORMATION" section of this label for applicable rotational crop restrictions.

TANK MIXTURES

This product may be applied in combination with other products that are registered for the same 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. When tank-mixing, follow the specifications of the most restrictive label for products in the mix.

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.

ROTATIONAL CROP INFORMATION

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

TIME INTERVAL BEFORE PLANTING (Months after treatment with Permit PLUS)

Crop	Months	Exceptions
IR/IMR Field corn	0	
Soybeans (Sulfonylurea-Tolerant)	0	
IT Field corn	1	
Normal Field corn	1	
Dry Beans	1.5	
Rice	1.5	
Sugarcane	1.5	
Snap Beans	1.5	
Barley (winter)	2	
Forage Grasses	2	
Oats	2	
Proso Millet	2	
Rye (winter)	2	
Seed corn	2	
Sorghums	2	
Spring cereal crops	2	
Wheat (winter)	2	

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Popcorn, Sweetcorn	3
Cotton	4
Peanuts	6
Tomato (transplant)	8
Alfalfa	9
Clovers	9
Field Peas	9
Peas	9
Potatoes	9
Cucumbers, Pumpkins, Squash	9
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

* 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.

Southeast: LA, MS, AL, FL, GA, NC, SC, TN, Puerto Rico
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

STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: Store under cool, dry conditions (below 120° F). Do not store under moist conditions.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed must be disposed of in a landfill approved for pesticide disposal in accordance with applicable Federal, state or local procedures, or in such other method as is approved under those procedures.

CONTAINER DISPOSAL:

For Plastic Bottle Packaging : Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke.

DISPOSAL AUTHORITIES: If none of the foregoing procedures is permitted by state and local authorities, then contact your State Pesticide or Environmental Control Agency, or your local Hazardous Waste Disposal office, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK OR FIRE), CALL CHEMTREC® (800) 424-9300.

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 directions 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 Canyon Group, L.L.C. To the extent consistent with applicable law, all such risks are assumed by the Buyer and User.

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