


10163-314

6/19/2009

10 of 12 sheets

 <p style="text-align: center;">U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505P) 1200 Pennsylvania Ave., NW Washington, D.C. 20460</p> <p style="text-align: center;">NOTICE OF PESTICIDE: <u> x </u> Registration <u> </u> Reregistration (under FIFRA, as amended)</p>	EPA Reg. Number: 10163-314	Date of Issuance: JUN 19 2009
	Term of Issuance: Conditional	
	Name of Pesticide Product: Vida Herbicide	
Name and Address of Registrant (include ZIP Code): Gowan Company P.O. Box 5569 Yuma, AZ 85366-5569		
<p>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit data. 2. Make the following label changes listed below before you release the product for shipment: <ol style="list-style-type: none"> a. Add the phrase, "EPA Reg. No. 10163-314". 		
Signature of Approving Official: Joanne I. Miller Product Manager 23 Herbicide Branch Registration Division (7505P)	Date: JUN 19 2009	

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b. Under General Information delete "defoliation". The proposed label does not bear directions for cotton defoliation.

c. In the preplant burndown section the preferred term for the commodity crop is "Brassica (cole) leafy vegetables" specified in 40 CFR 180.41.

3. Submit one (1) copy of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

ACCEPTED *3 of 12*
 with COMMENTS
 In EPA Letter Dated:

JUN 19 2009
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act
 as amended, for the pesticide
 registered under EPA Reg. No.

10163-314

Vida™ Herbicide

A Contact Herbicide for Broadleaf Weed Control and Desiccation
 (NOT FOR HOMEOWNER USE)

Active Ingredient:

Pyraflufen ethyl: ethyl 2-chloro-5-(4-chloro-5-difluoromethoxy-1-methyl-1H-pyrazol-3-yl)-4-fluorophenoxyacetate	2.5%
Other Ingredients*	97.5%
Total:	100.0%

Contains 0.208 lb. pyraflufen ethyl per gallon (25 grams per liter)
 *contains petroleum distillates

KEEP OUT OF REACH OF CHILDREN DANGER - PELIGRO

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.)

FIRST AID	
If swallowed	<ul style="list-style-type: none"> Call a doctor or poison control center immediately for treatment advice. 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. Avoid alcohol.
If in eyes	<ul style="list-style-type: none"> Immediately hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice
If on skin or clothing	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-888-478-0798 for emergency medical treatment information. In case of fire or spills, information may be obtained by calling 1-800-424-9300.	
NOTE TO PHYSICIAN	
Contains petroleum distillates – vomiting may cause aspiration pneumonia. Probable mucosal damage may contraindicate the use of gastric lavage.	

NET CONTENTS: _____ GALLONS

EPA Reg. No. 10163-XXX
 EPA Est. No.



Produce It For:
 Gowan Company
 P.O. Box 5569
 Yuma, Arizona 85366-5569

40912

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER - PELIGRO**

Corrosive. Causes irreversible eye damage. Do not get in eye, on skin, or on clothing. Wear goggles or face shield when handling. Harmful if swallowed. Harmful if absorbed through skin. Wash thoroughly with soap and water after handling.

Personal Protective Equipment (PPE)

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

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant (such as nitrile or butyl) gloves
- Shoes plus socks
- Protective eyewear
- For overhead exposure, wear chemical resistant headgear

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

ENGINEERING CONTROLS STATEMENTS

When handlers use closed systems, 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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. This product may contaminate water through drift of spray in wind or via runoff events. Use care when applying in areas adjacent to any body of water. 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 disposing of equipment washwater or rinsate. Do not apply when weather conditions favor drift from treated areas. Do not apply if rainfall is expected within one hour.

SPRAY DRIFT

Avoid spray drift to all other crops and nontarget areas. Do not apply when weather conditions may cause drift. Do not allow this product to drift onto nontarget areas. Drift may result in illegal residues or injury to adjacent crops and vegetation, in the form of leaf yellowing and defoliation. To avoid spray drift, DO NOT apply aerially when wind speed is greater than 10 mph or during periods of temperature inversions. Use of larger droplet size will also reduce spray drift.

AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR.

The interaction of equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making decisions. Droplet size, boom height, and wind speed are the primary factors determining drift. The specific application conditions required for the use of this product are described below.

Information on 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 will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversions).

Controlling Droplet Size

Volume – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

Pressure – Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. 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 that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from 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 the largest droplets and the lowest drift.

Maintenance of Nozzles – Periodic inspection and subsequent replacement of nozzles to ensure proper chemical application is recommended.

Boom Length

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.

Application Height

Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Swath Adjustment

When applications are made with a crosswind, 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 distance should increase, with increasing drift potential (higher wind, smaller drops, etc.)

Wind

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity

When making applications in 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 and variable winds 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 generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

Sensitive Areas

The pesticide 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, nontarget crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

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

- Coveralls
- Chemical resistant (such as nitrile or butyl) gloves
- Shoes plus socks
- Protective eyewear

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including interiorscapes and other non-agricultural uses, do not enter treated areas without protective clothing until sprays have dried.

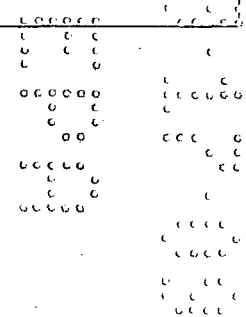
GENERAL INFORMATION

Vida is designed for use as a contact herbicide for broadleaf weed control, defoliation, and desiccation.

Vida is rainfast within one hour after application.

USE RESTRICTIONS

- Do not apply more than 8.5 fl oz/acre per growing season to cotton.
- Do not apply more than 2 fl oz/acre to field corn, soybeans, or wheat, prior to planting, or emergence of crop only.
- Do not apply more than 1 fl oz/A to postemergence corn, soybeans, or wheat.



- Do not exceed 5.5 fl oz/A during the growing season in the following crops:
 - deciduous fruit and nut trees and vines
 - fallow beds and crop stubble (preplant)
 - non-bearing deciduous fruit and nut trees and vines
 - noncrop land and uncultivated agricultural areas, CRP, and set-aside acreage
 - noncrop areas
 - pasture and rangeland
 - root and tuber vegetables, leafy vegetables, cole crops, legumes, fruiting vegetables, cucurbits, and small grains (preplant)
- Do not apply more than 11 fl oz/acre per growing season to potatoes.
- Do not apply this product through any type of irrigation system.

WEEDS CONTROLLED

The following broadleaf weed species can be controlled up to 4 inches in height or less, or rosettes of 3 inches in diameter or less, by applications of Vida. Tankmixes of Vida with other herbicides may be needed for control of these weed species if larger than 4 inches tall or rosettes of greater than 3 inches in diameter.

Amaranth, Palmer	Kochia	Radish, wild
Bedstraw	Ladysthumb	Ragweed, common
Beggartick, hairy	Lambsquarters, common	Ragweed, giant
Beggarweed, Florida	Lettuce, prickly	Rocket, London
Bindweed, field	Mallow, common	Sesbania, hemp
Buckwheat, wild	Milk thistle	Shepherd's-purse
Canola	Morningglory	Sicklepod
Carpetweed	Mustard, wild	Smartweed, Pennsylvania
Celery, wild	Nettle, stinging	Smellmelon
Chickweed	Nightshade, black	Sowthistle, annual
Cocklebur	Pigweed, redroot	Spurge, leafy
Dandelion	Pigweed, smooth	Sunflower, common
Dock, curly	Pineapple weed	Thistle, Canadian
Eclipta	Poinsettia, wild	Thistle, Russian
Eveningprimrose, cutleaf	Poison-ivy	Toadflax, Dalmatian
Henbit	Purslane, common	Velvetleaf
Knotweed, prostrate		Waterhemp, tall

MIXING DIRECTIONS

Add 1/2 to 3/4 of the required amount of water to the spray tank. Start agitation. Add the required amount of Vida and the remaining amount of water. Mix only as much spray solution as can be sprayed within four hours. Storage and use of the previous day's spray mix may result in reduced activity.

Use an approved agricultural buffering agent buffering to pH 7.5 or less if using Vida in a water source of ≥ pH 7.5.

TANK MIXTURES

Vida may be applied as a tankmix or in sequential application with other harvest aid, fungicide, insecticide or herbicide products. Weather, crop conditions, or the presence of certain weeds, crop damaging insects, or diseases will indicate the inclusion of other pesticides in the defoliation or desiccation application. Apply with grass herbicides if grassy weeds are present.

Tank mixtures of Vida with 2,4-D or glyphosate will provide enhanced control of the following weed species:

Tank Mixtures with Vida + 2, 4-D	Tank Mixtures with Vida + glyphosate	
Bindweed, field	Dandelion, common	Rocket, London
Buckwheat, wild	Eveningprimrose, cutleaf	Shepherd's-purse
Chickweed, common	Geranium, Carolina	Sowthistle, annual
Dandelion, common	Horsenettle (suppression)	Thistle, Russian
Kochia	Lambsquarters, common	Virginia-creeper
Marestail	Morningglory	
Poison-ivy	Poison-ivy	
Thistle, Russian	Purslane, common	
Wild mustard	Radish, wild	

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Note: It is recommended that the compatibility of Vida in any tankmix combination be tested before use. To determine the physical compatibility with other products, use a jar test, as described below:

Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

EQUIPMENT CLEANING

Do not allow the spray solution to dry in the application equipment. After application and before using the sprayer equipment for any other applications, the sprayer must be thoroughly cleaned. Applicators must ensure proper equipment clean-out for any other products mixed with Vida as provided on the other product label(s). Immediately following application, clean all equipment thoroughly with detergent or a spray tank cleaner and water as described below. Should residues of Vida remain in inadequately cleaned equipment, they may be released in subsequent applications and cause injury to crops.

1. Drain sprayer tank, hoses, and spray boom and thoroughly rinse with clean water the inside of the spray tank, sprayer hoses, boom, and nozzles to remove any sediment or residues.
2. Fill the tank 1/2 full with clean water, add the appropriate detergent (follow manufacturer's directions for use). Fill tank to capacity and operate the sprayer with agitation for 15 minutes to flush hoses, boom, and nozzles.
3. Drain the sprayer tank, lines, and booms. Rinse the tank with clean water and flush through the hoses, boom, and nozzles. Remove and clean spray nozzles, tips, and screens.
4. Dispose of all cleaning solutions, rinsate, and washwaters in accordance with Federal, state, and local regulations.

ROTATIONAL CROP RESTRICTIONS

Do not plant rotational crops other than cotton, potato, corn, soybeans, or wheat for 30 days following the last application of this product.

APPLICATION AND DOSAGE

COTTON

Preplant Burndown

For best results, use Vida herbicide for control of annual or perennial herbaceous broadleaf weeds less than 4" in height, or rosettes less than 3" in diameter. Thorough, uniform spray coverage is essential for good control. Vida herbicide may be applied preplant burndown to control broadleaf weeds or in tank mixtures with other labeled herbicides for broad spectrum weed control (see below).

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Crop	Pest	Rate/Acre	Use Restrictions and Comments
Cotton	Broadleaves and/or Grasses	0.5 to 2.0 fl oz/A plus other labeled herbicides in a minimum of 5 gallons water per acre by air or 10 gallons water per acre by ground*	<ul style="list-style-type: none"> ▪ Use the higher rate and spray volumes for control of larger weeds (4" tall). Control may be reduced with weeds larger than 4 inches tall. ▪ Allow a minimum of 30 days between applications. ▪ Treated areas may be replanted immediately with any crop listed on this label. ▪ Do not plant any other rotational food crops for 30 days after the last application of Vida. ▪ Do not allow livestock to graze in treated areas. ▪ Do not apply more than 2 fl oz/A for this use.

* use higher rates for hard to control weeds such as Canada thistle, field bindweed, and kochia

Postemergence Weed Control

Apply to emerged weeds in cotton having less than 3 inches of barked stem using hooded ground spray equipment only. Use of nonhooded spray equipment may allow spray to contact non-barked stem and may cause girdling of plants, crop damage, and/or loss of yield. Vida may be tank mixed with other labeled herbicides for broad spectrum weed control.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Crop	Rate and Spray Volume	Use Restrictions and Comments
Cotton	1 to 2 fl oz/A, in 20 to 30 gpa using ground equipment	<ul style="list-style-type: none"> ▪ Apply using hooded spray equipment only to avoid crop damage. ▪ Do not exceed 2 fl oz/A per season for this use pattern. ▪ Do not apply within 7 days of harvest.
	0.5 to 2 fl oz/A in tank mixtures with other labeled herbicides	

Postemergence Layby

For best results, use Vida herbicide in tank mixtures with other labeled herbicides for control of annual or perennial herbaceous broadleaf and grass weeds 4 inches or less in height, or rosettes less than 3" in diameter. Thorough, uniform spray coverage is essential for good control. Tank mixtures may be applied as a late postemergence treatment when the cotton crop has attained an average height of 18 inches or more than 3 inches stem bark development at the base of the plant. Avoid contact of the herbicide with desirable vegetation. Vida herbicide and tank mixtures may be used in place of tillage for weed control.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Crop	Pest	Rate/Acre	Use Restrictions and Comments
Cotton, (with 3" or more of barked stem)	Broadleaves and grass weed species	0.5 to 1.0 fl oz/A in tank mixture with other labeled herbicides	<ul style="list-style-type: none"> Use the higher rate and spray volumes for control of larger weeds (4" tall). Control may be reduced with weeds larger than 4 inches tall. Do not apply more than 1 fl oz/A per season with this use pattern. Allow a minimum of 30 days between preplant burndown application of Vida herbicide and postemergence application. For crops not listed on this label, applications must be made at least 30 days prior to planting. Do not apply within 7 days of harvest.

CORN

Preplant Burndown

For best results, use **Vida** herbicide for control of annual or perennial herbaceous broadleaf weeds less than 4" in height, or rosettes less than 3" in diameter. Thorough, uniform spray coverage is essential for good control. **Vida** herbicide may be applied preplant burndown to control broadleaf weeds or in tank mixtures with other labeled herbicides for broad spectrum weed control (see below).

Addition of a spray tank adjuvant such as, but not limited to, nonionic surfactants, methylated seed oils, or crop oil concentrates, at a concentration of 0.5% to 2.0%, is recommended for optimum control.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Crop	Pest	Rate/Acre	Use Restrictions and Comments
Field Corn	Broadleaves and/or Grasses	0.5 to 2.0 fl oz/A plus other labeled herbicides in a minimum of 5 gallons water per acre by air or 10 gallons water per acre by ground*	<ul style="list-style-type: none"> Use the higher rate and spray volumes for control of larger weeds (4" tall). Control may be reduced with weeds larger than 4 inches tall. Allow a minimum of 30 days between applications. Treated areas may be replanted immediately with any crop listed on this label. Do not plant any other rotational food crops for 30 days after the last application of Vida. Do not allow livestock to graze in treated areas. Do not apply more than 2 fl oz/A for this use.

* use higher rates for hard to control weeds such as Canada thistle, field bindweed, and kochia

Postemergence (not for use on sweet corn)

For best results, use **Vida** herbicide for control of annual or perennial herbaceous broadleaf weeds less than 4" in height, or rosettes less than 3" in diameter. Thorough, uniform spray coverage is essential for good control. Use a minimum of 5 gallons water per acre by air or 10 gallons water per acre by ground. **Vida** herbicide may be applied in-crop as an early postemergence treatment for control of broadleaf weeds in tank mixtures with other labeled herbicides for broad spectrum weed control (see below). See dosage table below for proper application timing.

Some temporary herbicidal symptoms such as leaf speckling or small discolored or necrotic spotting may appear on the crop, depending on environmental conditions, or if the crop is under stress.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Crop	Pest	Rate/Acre	Use Restrictions and Comments
Corn (field corn, popcorn, seed corn, corn silage, corn stover)	Broadleaf Weeds	0.4 to 0.75 fl oz/A at the V1 to V2 stage of growth (approximately 6 inches tall)	<ul style="list-style-type: none"> Do not apply postemergence to sweet corn. Use the higher rate and spray volumes for control of larger weeds (4" tall). Control may be reduced with weeds larger than 4 inches tall. Allow a minimum of 30 days between applications. Do not apply more than 1 fl oz/A for this use. Do not apply more than 2 applications per season. Do not use crop oils or crop oil concentrates as adjuvants for postemergence application. Treated areas may be replanted immediately with any crop listed on this label. Do not plant any other rotational food crops for 30 days after the last application of Vida. Do not allow livestock to graze in treated corn. Do not harvest corn for silage within 50 days after last application of Vida. Do not harvest corn for grain or stover within 90 days of last Vida application.

FALLOW BEDS

Preplant Fallow Beds and Crop Stubble

This product may be applied preplant to fallowland in preparation for planting or postharvest to crop stubble. Preplant applications may be made prior to planting during the fallow period for any crop listed on this label. For crops not listed on this label, applications must be made at least 30 days prior to planting.

For best results, use Vida herbicide for control of annual or perennial herbaceous broadleaf weeds less than 4" in height, or rosettes less than 3" in diameter. Thorough, uniform spray coverage is essential for good control. Vida herbicide may be applied after the harvest of any crop to control late emerging broadleaf weeds or in tank mixtures with other labeled herbicides for broad spectrum weed control.

Addition of a spray tank adjuvant such as, but not limited to, nonionic surfactants, methylated seed oils, or crop oil concentrates, at a concentration of 0.5% to 2.0%, is recommended for optimum control.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Crop	Pest	Rate/Acre	Use Restrictions and Comments
Preplant fallowbeds and crop stubble	Broadleaves and/or Grasses	0.5 to 2.0 fl oz/A plus other labeled herbicides in a minimum of 10 gallons water per acre*	<ul style="list-style-type: none"> • Use the higher rate and spray volumes for control of larger weeds (4" tall). Control may be reduced with weeds larger than 4 inches tall. • Do not make more than 3 applications or exceed 5.5 fl oz/A during the fallow period. • Allow a minimum of 30 days between applications. • For crops not listed on this label, applications must be made at least 30 days prior to planting. • Do not allow livestock to graze in treated areas.

* use higher rates for hard to control weeds such as Canada thistle, field bindweed, and kochia

**NONCROP LAND AND UNCULTIVATED AGRICULTURAL AREAS
CONSERVATION RESERVE PROGRAMS (CRP) AND FEDERAL SET ASIDE ACREAGE
(nonfood producing)**

Vida herbicide may be used in tankmixes with other labeled herbicides for broad spectrum weed control in noncrop situations, including CRP and Federal Set Aside Acreage. For best results, use Vida herbicide for control of annual or perennial herbaceous broadleaf weeds less than 4" in height, or rosettes less than 3" in diameter. Thorough, uniform spray coverage is essential for good control.

Addition of a spray tank adjuvant such as, but not limited to, nonionic surfactants, methylated seed oils, or crop oil concentrates, at a concentration of 0.5% to 2.0%, is recommended for optimum control.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Crop	Pest	Rate/Acre	Use Restrictions and Comments
Noncrop land and uncultivated agricultural areas CRP and set-aside acreage ¹	Broadleaves and/or Grasses	0.5 to 2.0 fl oz/A plus other labeled herbicides in a minimum of 5 gallons water per acre by air or 10 gallons water per acre by ground ²	<ul style="list-style-type: none"> • Use the higher rates and spray volumes for control of larger weeds (4" tall). Control may be reduced with weeds larger than 4 inches tall. • Do not make more than 3 applications or exceed 5.5 fl oz/A per year for this use. • Allow a minimum of 30 days between applications. • Do not allow livestock to graze in treated areas.

¹ follow federal, state, and local rules for use on grass and hay

² use higher rates for hard to control weeds such as Canada thistle, field bindweed, and kochia

POTATO DESICCATION

When applied as a foliar spray to potatoes in early stages of senescence, Vida provides effective desiccation of potato foliage and vines, as well as control of troublesome late-season broadleaf weeds to facilitate tuber harvest. Adequate desiccation is generally achieved within 14 days after the initial treatment is applied. A repeat application of Vida or another herbicide or desiccant may be needed under certain climatic conditions to ensure complete desiccation. Apply Vida when the potato crop is in the early stages of natural senescence for best results. Vida may be tank mixed or applied in sequence with other desiccant products such as diquat for improved desiccation.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Crop	Rate and Spray Volume	Use Restrictions and Comments
Potato (all varieties)	2.75 to 5.5 fl oz/A in 5 gpa by air or 20 to 50 gpa using ground equipment	<ul style="list-style-type: none"> • Make 1 to 2 applications using ground equipment at a minimum 7 day interval. • Do not exceed two applications or 11 fl oz/A for potato desiccation. • Do not apply within 7 days of harvest.

BULB VEGETABLES, ROOT AND TUBER VEGETABLES, LEAFY VEGETABLES, COLE (BRASSICA) CROPS, LEGUME VEGETABLES (SUCCULENT OR DRIED), FRUITING VEGETABLES, CUCURBITS, AND SMALL CEREAL GRAINS, OIL SEED CROPS AND SUGARCANE (LIMITED TO PREPLANT BURNDOWN)

For best results, use Vida herbicide for control of annual or perennial herbaceous broadleaf weeds less than 4" in height, or rosettes less than 3" in diameter. Thorough, uniform spray coverage is essential for good control.

Addition of a crop oil concentrate (COC) or nonionic surfactant is recommended for optimum control. Use nonionic surfactants at a concentration of 0.25% and COC at a concentration of 1%. Vida is a contact herbicide and thorough coverage of target weeds is essential for optimum performance. For control of grassy weeds, the Vida tankmix should include a registered graminicide or nonselective herbicide such as glyphosate, paraquat, or glufosinate.

If using Vida in a water source of \geq pH 7.5, use of an approved agricultural buffering agent is recommended.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Crop	Rate and Spray Volume	Use Restrictions and Comments
Bulb vegetables Root and tuber vegetables Leafy vegetables Cole crops Legume vegetables Fruiting vegetables Cucurbits Cereal Small grains Oil seed crops Sugarcane	0.5 to 2.0 fl oz/A plus other labeled herbicides in a minimum of 10 gallons water per acre by ground	<ul style="list-style-type: none"> • Use the higher rate and spray volumes for control of larger weeds (4" tall). Control may be reduced with weeds larger than 4 inches tall. • Do not make more than 3 applications or exceed 5.5 fluid ounces per acre per crop year. • Allow a minimum of 30 days between applications. • For crops listed on this label, do not apply within 24 hours 2 days of planting. • Do not allow livestock to graze in treated areas. • For tank mixtures, refer to each product label for crop rotation restrictions, mixing directions, and precautionary statements. Always use in accordance with the most restrictive of label precautions and limitations. Follow the crop rotation statements on the tankmix product if they are more restrictive.

SOYBEANS

Preplant Burndown

For best results, use Vida herbicide for control of annual or perennial herbaceous broadleaf weeds less than 4" in height, or rosettes less than 3" in diameter. Thorough, uniform spray coverage is essential for good control. Vida herbicide may be applied preplant burndown to control broadleaf weeds or in tank mixtures with other labeled herbicides for broad spectrum weed control (see below).

Addition of a spray tank adjuvant such as, but not limited to, nonionic surfactants, methylated seed oils, or crop oil concentrates, at a concentration of 0.5% to 2.0%, is recommended for optimum control.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Crop	Pest	Rate/Acre	Use Restrictions and Comments
Soybeans	Broadleaves and/or Grasses	0.5 to 2.0 fl oz/A plus other labeled herbicides in a minimum of 5 gallons water per acre by air or 10 gallons water per acre by ground*	<ul style="list-style-type: none"> • Use the higher rate and spray volumes for control of larger weeds (4" tall). Control may be reduced with weeds larger than 4 inches tall. • Allow a minimum of 30 days between applications. • Treated areas may be replanted immediately with any crop listed on this label. • Do not plant any other rotational food crops for 30 days after the last application of Vida. • Do not allow livestock to graze in treated areas. • Do not apply more than 2 fl oz/A for this use.

* use higher rates for hard to control weeds such as Canada thistle, field bindweed, and kochia

Postemergence

For best results, use Vida herbicide for control of annual or perennial herbaceous broadleaf weeds less than 4" in height, or rosettes less than 3" in diameter. Thorough, uniform spray coverage is essential for good control. Use a minimum of 5 gallons water per acre by air or 10 gallons water per acre by ground. Vida herbicide may be applied in-crop as an early postemergence treatment for control of broadleaf weeds in tank mixtures with other labeled herbicides for broad spectrum weed control (see below). See dosage table below for proper application timing.

Some temporary herbicidal symptoms such as leaf speckling or small discolored or necrotic spotting may appear on the crop, depending on environmental conditions, or if the crop is under stress.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Crop	Pest	Rate/Acre	Use Restrictions and Comments
Soybeans	Broadleaf Weeds	0.4 to 0.75 fl oz/A at emergence to V2 stage of growth	<ul style="list-style-type: none"> • Use the higher rate and spray volumes for control of larger weeds (4" tall). Control may be reduced with weeds larger than 4 inches tall. • Allow a minimum of 30 days between applications. • Do not apply more than 1 fl oz/A for this use. • Do not apply more than 2 applications per season. • Do not use crop oils or crop oil concentrates as adjuvants for postemergence application. • Treated areas may be replanted immediately with any crop listed on this label. Do not plant any other rotational food crops for 30 days after the last application of Vida. • Do not graze soybean forage or cut for hay within 7 days of last Vida application. • Do not harvest soybeans within 70 days of last Vida application.

WHEAT

Preplant Burndown

For best results, use Vida herbicide for control of annual or perennial herbaceous broadleaf weeds less than 4" in height, or rosettes less than 3" in diameter. Thorough, uniform spray coverage is essential for good control. Vida herbicide may be applied preplant burndown to control broadleaf weeds or in tank mixtures with other labeled herbicides for broad spectrum weed control (see below).

Addition of a spray tank adjuvant such as, but not limited to, nonionic surfactants, methylated seed oils, or crop oil concentrates, at a concentration of 0.5% to 2.0%, is recommended for optimum control.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Crop	Pest	Rate/Acre	Use Restrictions and Comments
Wheat	Broadleaves and/or Grasses	0.5 to 1.0 fl oz/A plus other labeled herbicides in a minimum of 5 gallons water per acre by air or 10 gallons water per acre by ground*	<ul style="list-style-type: none"> • Use the higher rate and spray volumes for control of larger weeds (4" tall). Control may be reduced with weeds larger than 4 inches tall. • Allow a minimum of 30 days between applications. • Treated areas may be replanted immediately with any crop listed on this label. • Do not plant any other rotational food crops for 30 days after the last application of Vida. • Do not allow livestock to graze in treated areas. • Do not apply more than 2 fl oz/A for this use.

* Use higher rates for hard to control weeds such as Canada thistle, field bindweed, and kochia

Postemergence

For best results, use Vida herbicide for control of annual or perennial herbaceous broadleaf weeds less than 4" in height, or rosettes less than 3" in diameter. Thorough, uniform spray coverage is essential for good control. Use a minimum of 5 gallons water per acre by air or 10 gallons water per acre by ground. Vida herbicide may be applied in-crop as an early postemergence treatment for control of broadleaf weeds in tank mixtures with other labeled wheat herbicides for broad spectrum weed control.

Some temporary herbicidal symptoms such as leaf speckling or small discolored or necrotic spotting may appear on the crop, depending on environmental conditions, or if the crop is under stress. Use of spray tank adjuvants in the application may increase this crop response.

Addition of a spray tank adjuvant such as nonionic surfactants at a concentration of 0.5% is recommended for optimum weed control.

Use of Vida with products containing bromoxynil may cause significant foliar injury.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Crop	Pest	Rate/Acre	Use Restrictions and Comments
Spring wheat	Broadleaf Weeds	0.4 to 0.75 fl oz/A	<ul style="list-style-type: none"> Vida can be applied from wheat emergence to the appearance of the flag leaf. DO NOT apply Vida if the flag leaf is visible. Use the higher rate and spray volumes for control of larger weeds (4" tall). Control may be reduced with weeds larger than 4 inches tall. Allow a minimum of 30 days between applications. Do not apply more than 1 fl oz/A for this use. Do not apply more than 2 applications per season. Treated areas may be replanted immediately with any crop listed on this label. Do not plant any other rotational food crops for 30 days after the last application of Vida. Do not graze wheat within 7 days of last Vida application. Do not harvest wheat for hay within 21 days of last Vida application. Do not harvest wheat for grain within 60 days of last Vida application.
Winter wheat	Broadleaf Weeds	0.5 to 1.0 fl oz/A	

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

Pesticide Storage: Store in a cool place.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Nonrefillable container. DO NOT reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by State or local authorities, by burning. If burned, stay out of smoke.

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

NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS

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

Our 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 Gowan Company. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer and User.

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

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

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EPA Text Pending: Vida Herbicide (to EPA 3-12-09)