



GROUP 14 HERBICIDE



# PHOENIX<sup>TM</sup>

## Herbicide

Active Ingredient	By Wt.
*Lactofen .....	24%
Other Ingredients .....	76%
Total .....	100%

\*2-ethoxy-1-methyl-2-oxoethyl 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate

Contains Petroleum Distillates  
Contains 2 lbs active ingredient per gallon

**DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.**

EPA Reg. No. 59639-118

### KEEP OUT OF REACH OF CHILDREN CAUTION

SEE BELOW FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

### PRECAUTIONARY STATEMENTS

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#### HAZARDS TO HUMANS & DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. This product contains lactofen, which has been determined to cause tumors in laboratory animals (mouse, rat). Risks can be reduced by closely following use directions and precautions, and by wearing the protective clothing specified elsewhere on this label.

#### FIRST AID

**If on skin or clothing:** 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:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

(continued)

**First Aid (continued)**

**If in eyes:** 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 inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

#### HOT LINE 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 **1-800-892-0099** for emergency medical treatment information.

#### NOTE TO PHYSICIANS

This product may pose an aspiration pneumonia hazard. Contains petroleum distillate.

### PERSONAL PROTECTIVE EQUIPMENT (PPE):

**Applicators and other handlers must wear:** long-sleeved shirt and long pants, chemical-resistant gloves (such as nitrile, butyl, barrier laminate and/or viton  $\geq$  14 mils), shoes and socks. 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.

#### 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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS:

This pesticide is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of waste. Do not apply when weather conditions favor drift from target area.

This chemical (lactofen) has properties and characteristics associated with chemicals detected in groundwater. Acifluorfen, a degradate of this chemical,

is known to leach through soil into groundwater under certain conditions as a result of labeled use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

**PHYSICAL OR CHEMICAL HAZARDS:**

Do not use or store near heat or open flame.

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**DIRECTIONS FOR USE**

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

**READ ENTIRE LABEL AND PAMPHLET. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

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 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: long-sleeved shirt and long pants, chemical-resistant gloves (such as nitrile, butyl, barrier laminate and/viton  $\geq$  14 mils), shoes and socks.

**DISCLAIMER, RISKS OF USING THIS PRODUCT, LIMITED WARRANTY AND LIMITATION OF LIABILITY**

**IMPORTANT:** Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.

**RISKS OF USING THIS PRODUCT**

The Buyer and User (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance, resistance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the crop at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Valent. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND TO THE FULLEST EXTENT ALLOWED BY LAW, AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

Valent shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

**LIMITED WARRANTY**

Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label **and subject to the**  
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**Risks of Using This Product as described above. To the extent consistent with applicable law AND AS SET FORTH ABOVE, VALENT MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED.**

No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

#### **LIMITATION OF LIABILITY**

**To the fullest extent allowed by law, Valent or Seller is not liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. TO THE FULLEST EXTENT ALLOWED BY LAW, THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

#### **PROMPT NOTICE OF CLAIM**

To the extent consistent with applicable law allowing such requirements, Valent must be provided prompt notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is latter, so that an immediate inspection of the affected property and growing crops can be made.

To the extent consistent with applicable law, if Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

#### **NO AMENDMENTS**

Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing **Disclaimer, Risks of Using This Product, Limited Warranty** and **Limitation of Liability**, which may not be modified by any oral or written agreement.

### **TANK MIXES**

**NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor, to the extent allowed by applicable law.**

Read and follow the entire label of each product to be used in the tank mix with this product.

### **RESISTANCE MANAGEMENT**

Phoenix™ Herbicide is a Group 14 herbicide (PPO inhibitor). Any weed population may contain or develop plants naturally resistant to herbicides in various mode of action classes. Resistant biotypes, such as waterhemp, may eventually dominate the weed population if the same class of chemistry/ mode of action herbicides are used repeatedly in the same field or in successive years. These resistant biotypes may not be adequately controlled by herbicides in a mode of action class for which resistance has developed. A gradual or total loss of weed control may occur over time. Other resistance mechanisms that are not linked to site of action, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed.

#### **TO DELAY HERBICIDE RESISTANCE**

- Avoid the use of herbicides that have a similar target site mode of action in consecutive years. Other Group 14 herbicides (PPO inhibitors) include acifluorfen (Ultra Blazer®) and fomesafen (Flexstar®, Reflex®). If resistant weed biotypes such as waterhemp are suspected or known to be present, use a tank mix partner with *Phoenix* Herbicide to help control these biotypes, or use a planned herbicide rotation program where other residual broadleaf herbicides having different modes of action are used.
- Herbicide use should be based on an IPM program that includes scouting, record keeping, and consideration of cultivation practices, water management, weed-free crop seed, crop rotation, and other chemical or cultural control practices.
- Monitor treated weed population for resistance development and report suspected resistance.
- Contact your local extension or crop expert (advisor) for any additional pesticide resistance management and/or IPM recommendations for specific crops and weed biotypes.
- For further information contact Valent U.S.A. Corporation at the following toll free number 1-800-682-5368.

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### DIRECTIONS FOR USE IN SOYBEANS

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#### GENERAL INFORMATION

*PHOENIX* HERBICIDE HAS AN ADJUVANT/SURFACTANT SYSTEM BUILT INTO THE FORMULATION. BECAUSE OF THIS BUILT-IN ADJUVANT SYSTEM WEED CONTROL CAN BE ACHIEVED WITH MINIMAL ADDITIONAL ADJUVANTS.

*Phoenix* Herbicide is a selective, broad spectrum herbicide for preemergence and postemergence control of susceptible broadleaf weeds. *Phoenix* Herbicide is formulated as an emulsifiable concentrate containing 2 lbs of active ingredient per gal. In the upper North Central region of the midwest, postemergence applications of *Phoenix* Herbicide to soybeans (at or just before 1st bloom) has resulted in suppression of the soybean disease white mold caused by *Sclerotinia sclerotiorum*.

*Phoenix* Herbicide works primarily through contact action. Good coverage of young, actively growing weeds is essential for maximum weed control. The

use of a non-ionic surfactant adjuvant containing a minimum of 80% surfactant is usually required. Refer to the label section on ADJUVANTS AND ADDITIVES for specific recommendations.

When *Phoenix* Herbicide is applied postemergence, a portion of the spray solution may contact the soil surface. If soil moisture conditions are favorable for preemergence activity following the application, suppressed germination of small-seeded broadleaf weeds, such as nightshade species, pigweed species, and prickly sida may be expected for a 2 to 3 week period. The presence of excessive crop or weed foliage at the time of application will reduce the amount of herbicide spray contacting the soil surface and will reduce the level of soil activity.

A temporary crop response should be expected following a postemergence application of *Phoenix* Herbicide. Soybean leaves which are open at the time of application will show some burn, bronzing and speckling. Trifoliolate soybean leaves which have emerged but are unopened at the time of application may appear cupped at the tip and/or crinkled along the edges of the leaf. Soybeans quickly outgrow all initial herbicide effects. When *Phoenix* Herbicide is used as directed, under commercial conditions soybean yields will not be adversely affected. Under conditions of normal weed growth *Phoenix* Herbicide is rainfast 2 hours after application.

#### PRECAUTIONS

Apply *Phoenix* Herbicide preplant, preemergence, and/or postemergence, but do not apply later than 45 days before harvest or after growth stage R6 (full seed).

Do not exceed a total of 25 fl oz (0.4 lb ai) per acre per season.

NOTE: New York State Only - Apply *Phoenix* Herbicide only as a postemergence herbicide once per growing season, at a maximum seasonal application rate not to exceed 12.5 fl oz (0.2 lb ai) per acre, and not later than 90 days before harvest.

Do not graze animals on green forage or stubble. Do not feed treated soybean silage (ensiled soybeans) to cattle. Do not utilize hay or straw for animal feed or bedding.

#### APPLICATION

##### CONVENTIONAL ROW APPLICATION TIMING

For best results, *Phoenix* Herbicide and *Phoenix* Herbicide tank mixes should be applied to small actively growing weeds that are not larger than indicated in Table 2S. Normally this occurs 14 to 21 days after planting or after last field preparation, when soybeans are at the first to second trifoliolate leaf stage. Soybeans at or larger than the third trifoliolate stage may interfere with the spray pattern and reduce coverage of the weed leaves. Do not apply *Phoenix* Herbicide when the soybeans or weeds are under conditions that do not promote active growth. These conditions include drought, excessive water, extremes in temperature, and low humidity.

Applying *Phoenix* Herbicide under conditions that do not promote active weed growth will reduce herbicide



effectiveness. Weeds under stress tend to “harden off” and become less susceptible to herbicidal action. Do not cultivate prior to or during application. Do not generate excessive dust while spraying. Excessively dusty conditions may interfere with the coverage of the weed leaf surface by the spray solution. A timely cultivation approximately one week after application will assist in weed control.

#### **DRILLED/SOLID SEEDED APPLICATION TIMING**

Under drilled/solid-seeded soybean cropping systems, a dense crop canopy develops more rapidly than conventional row spacings. The crop canopy may restrict penetration of the herbicide spray pattern and reduce coverage of the weed foliage. Applications should be made when soybeans are at the first trifoliolate leaf stage, usually 10 to 14 days after planting. Delaying application beyond the first trifoliolate leaf stage may result in unsatisfactory weed control. For improved weed coverage and canopy penetration in drilled or solid seeded soybeans, the higher range of spray volume and pressure is required. See the BROADCAST GROUND APPLICATIONS section of this label for application information.

#### **EARLY APPLICATION TIMING**

For early control of pigweeds, Eastern black nightshade, common ragweed, giant ragweed, copperleaf, common purslane, cutleaf groundcherry, and jimsonweed, apply *Phoenix* Herbicide when soybeans have emerged and are in the cotyledon to unifoliolate stage, normally 5 to 7 days after planting. Weed growth may not be visible or may be in the cotyledon stage of growth at early application.

#### **BROADCAST GROUND APPLICATION**

*Phoenix* Herbicide and *Phoenix* Herbicide tank mixes can be applied by ground equipment using standard commercial sprayers. *Phoenix* Herbicide is a contact herbicide. Therefore, special attention should be given to preparing and operating the sprayer to assure proper coverage of the weed leaf surface.

Use *Phoenix* Herbicide on a broadcast basis in 15 to 20 gals of water per acre at a spray pressure of 40 to 60 PSI measured at the boom. Apply *Phoenix* Herbicide using a flat fan or hollow cone nozzle designed to deliver the desired spray pressure and spray volume. Avoid use of flat fan nozzles larger than 8006 (or equivalent) because they do not break up spray patterns into small enough droplets to provide adequate weed coverage for foliar herbicides. Spray nozzles should be centered at a 20 inch spacing to provide adequate coverage. Ground speed should not exceed 10 mph to provide proper spray coverage. Boom height, ground speed, and pressure recommendations should not exceed those recommended by the spray nozzle manufacturer for the type and size of nozzle being used. Improper use of the selected spray nozzle will adversely affect the spray pattern, prevent proper coverage of weed leaf surface, and reduce weed control. Refer to the manufacturer’s spray chart for nozzle selection and operating information.

**REFER TO THE AERIAL APPLICATION SECTION FOR SPECIFIC INSTRUCTIONS FOR AERIAL APPLICATION.**

#### **DO NOT USE THE FOLLOWING DELIVERY SYSTEMS TO APPLY *PHOENIX* HERBICIDE:**

- 1 — Flood Nozzles
- 2 — Control Droplet Applicators (CDA)
- 3 — Flat Fan Nozzles Larger than 8006
- 4 — Spray rigs which utilize wheel driven pumps

#### **BAND APPLICATION**

Row banding equipment should be adjusted to provide maximum coverage of weeds in the row. Base the band use of *Phoenix* Herbicide and *Phoenix* Herbicide tank mixes on a broadcast use rate of 15 to 20 gals of water per acre by reducing the spray gals in proportion to the area actually treated. The spray pressure should be 40 to 60 PSI measured at the boom. A minimum of two nozzles per row is required to provide optimum coverage of the weed foliage.

DO NOT make band applications while cultivating or create excessive dust while spraying. Excessively dusty conditions will interfere with proper coverage of the weed leaf surface, thereby reducing contact activity.

#### **LOW VOLUME GROUND APPLICATION**

Application of *Phoenix* Herbicide and *Phoenix* Herbicide tank mixes using a low volume application require a minimum of 10 gals of spray solution per acre. Applications at less than 10 gals per acre will provide inconsistent weed control. The spray pressure at the boom should be between 40 to 60 PSI. Flat fan nozzles are recommended at 20 inch spacing for proper spray coverage. To provide adequate coverage flat fan nozzles larger than 8006 (or equivalent) should not be used. Height of the spray boom should be adjusted so as not to exceed the manufacturer’s recommendation for proper coverage by the spray nozzle being used. Maximum speed of operation should not exceed 10 mph as spray coverage of weed foliage may be adversely affected.

#### **AERIAL APPLICATION**

To obtain satisfactory weed control with aerial applications of *Phoenix* Herbicide, and *Phoenix* Herbicide tank mixes, except 2,4-DB, uniform coverage must be obtained. Do not spray when drift is possible or when wind velocity is more than 5 mph. Avoid spraying *Phoenix* Herbicide within 200 ft of dwellings, or adjacent sensitive crops such as ornamentals, cotton, tobacco, or sorghum. To obtain satisfactory application and minimize drift, the following directions must be observed:

**Volume and Pressure:** Use *Phoenix* Herbicide in 5 to 10 gals water per acre and a maximum spray pressure of 40 PSI. Applications at less than 5 gals per acre will provide inadequate control. Higher volume applications generally afford more consistent weed control.

**Nozzle and Nozzle Orientation:** Use nozzles which produce flat or hollow cone spray patterns. Use non-drip type nozzles such as diaphragm-type nozzles to avoid unwanted discharge of spray solution. The nozzles must be directed toward the rear of the aircraft, at an angle between 0 and 15 downward. Do not place nozzles on the outer 25% of wings or rotors.

**Table 1S.**  
**ADJUVANTS AND ADDITIVES**

*Phoenix* Herbicide is a specially designed formulation in which an adjuvant/surfactant system is built into the formulation. Therefore the need for additional adjuvants to be added are minimized.

Method of Application	Recommendations
<b>Ground</b>	Add a non-ionic surfactant (NIS) adjuvant at the use rate of 0.125 to 0.25% v/v. When weeds reach the maximum growth stage or as stress conditions increase, the addition of NIS should be added at the rate of 0.25% v/v. Crop oil concentrate (COC) is recommended when weeds are stressed due to hot and dry conditions. Under those conditions COC at 1 pt/A can be added. In place of COC alone the following combination can be added; COC at 0.125 to 0.5% v/v in combination with NIS at 0.125 to 0.25% v/v.  The addition of any adjuvant other than NIS to <i>Phoenix</i> Herbicide will result in a significant increase in soybean crop response. Soybeans quickly outgrow all initial herbicide effects.
<b>Air</b>	Add NIS at 0.50% v/v per acre.

Tank Mix Recommendations: Adjuvant recommendations are listed individually for specific tank mix use directions.

**MIXING INSTRUCTIONS**

Add about 1/2 of the required amount of water to the spray tank and begin agitation. Add the required amount of tank mix partner (if applicable) and mix thoroughly. Add the required amount of *Phoenix* Herbicide and continue mixing. Finally, add the correct amount of the recommended adjuvant(s) and the remaining water. Maintain agitation during filling and spraying to ensure a uniform spray mixture.

**WEEDS CONTROLLED BY PHOENIX HERBICIDE**

Identify your weed species as early as possible and determine the stage of growth by measuring the weed height in inches.

Use Table 2S of this label to determine the recommended growth stage before you apply *Phoenix* Herbicide for effective weed control of the species desired.

**GENERAL INFORMATION**

For best results, *Phoenix* Herbicide should be applied to actively growing weeds. Do not apply *Phoenix* Herbicide during periods when the soybeans and the weeds are under stress or when conditions do not favor active weed growth. Refer to the *Phoenix* Herbicide soybean label for application timing.

**Table 2S.**  
***Phoenix* Herbicide - Soybean Rates and Weed Heights**

Broadleaf Weeds Controlled	8.0 fl oz/Acre Weed Heights (inches)	10.0 fl oz/Acre Weed Heights (inches)	12.5 fl oz/Acre Weed Heights (inches)	12.5 fl oz/Acre Weed Heights (inches)
Balloonvine	—	—	—	4
Beggarticks	—	—	—	6
Bristly Starbur	—	—	—	4
Buffalobur	—	—	—	4
Burcucumber	—	—	—	4
Carpetweed	6 in diameter	6 in diameter	8 in diameter	8 in diameter
Common Cocklebur	—	—	2	4
Common Purslane	6 in diameter	6 in diameter	8 in diameter	8 in diameter
Copperleaf				
Hophornbeam	—	—	2	4
Virginia	—	—	2	4
Croton				
Tropic	—	—	4	4
Woolly	—	—	4	4
Devilsclaw	—	—	—	4
Eclipta	—	—	2	2
Florida				
Beggardweed	—	—	—	2
Florida Pusley	—	—	—	6

(continued)

**Table 2S. (continued)**

<b>Broadleaf Weeds Controlled</b>	<b>8.0 fl oz/Acre Weed Heights (inches)</b>	<b>10.0 fl oz/Acre Weed Heights (inches)</b>	<b>12.5 fl oz/Acre Weed Heights (inches)</b>	<b>12.5 fl oz/Acre Weed Heights (inches)</b>
Groundcherry				
Cutleaf	—	—	2	3
Lanceleaf	—	—	2	3
Hairy Galinsoga	—	—	—	2
Hemp Sesbania	2	4	6	6
Jimsonweed	2	2	4	4
Kochia	—	—	—	2
Lanceleaf Sage	—	—	—	2
Mexicanweed	—	—	—	4
Morningglories				
Cypressvine	—	—	—	4
Entireleaf	—	—	—	2
Ivyleaf	—	—	—	2
Palmleaf	—	—	—	4
Pitted	—	—	—	4
Purple Moonflower	—	—	—	4
Smallflower	—	—	—	4
Tall	—	—	—	4
Nightshades				
Black	2	3	3	4
Eastern Black	2	2	3	4
Hairy	—	—	2	4
Pigweeds				
Palmer Amaranth*	—	—	2	3
Prostrate	—	—	4	5
Redroot	3	4	4	5
Smooth	3	4	4	5
Spiny Amaranth	—	—	4	4
Poorjoe	—	—	6	6
Prickly Sida (Teaweed)	—	—	2	2
Puncturevine	—	—	—	1.5 in diameter
Ragweed				
Common	4	5	6	6
Giant	3	4	4	4
Showy Crotonaria	—	—	—	4
Smell Melon	—	—	—	6
Spurge				
Prostrate	—	—	1 in diameter	1 in diameter
Spotted	—	—	4	4
Toothed	—	—	4	4
Venice Mallow	—	2	2	4
Waterhemp**				
Common	4	5	6	6
Tall	4	5	6	6
Wild Mustard	2	2	4	4
Wild Poinsettia	—	—	—	4
Wild Sunflower	—	—	—	2
Witchweed	—	—	—	6 to 8 in prior to bloom
<b>Adjuvants and Rates***</b>	Non-ionic Surfactant (1-2 pts/100 gals)	Non-ionic Surfactant (1-2 pts/100 gals)	Non-ionic Surfactant (1-2 pts/100 gals)	Crop Oil Concentrate (1 pt/A)

(continued)

**Table 2S. (continued)**

\*When Palmer amaranth pressure is severe, a preemergence program with activity on Palmer amaranth, such as Valor® Herbicide, is recommended. Applications of *Phoenix* Herbicide should be made 14 days after planting to less than 2 inch Palmer amaranth. A second application of *Phoenix* Herbicide is required 14 to 21 days after the initial application if regrowth occurs.

\*\*When waterhemp pressure is severe, a preemergence herbicide with activity on waterhemp species, such as *Valor* Herbicide, is recommended followed by *Phoenix* Herbicide to control escaped weeds.

\*\*\*Crop oil concentrate is recommended when weeds are stressed due to hot and dry conditions. Under those conditions COC at 1 pt/A can be added. In place of COC alone the following combination can be added; COC at 0.125 to 0.5% v/v in combination with NIS at 0.125 to 0.25% v/v.

**BROADLEAF HERBICIDE TANK MIXES WITH *PHOENIX* HERBICIDE**

For weeds not listed for postemergence control with *Phoenix* Herbicide, the herbicides listed below may be used per label use instructions. When applied in tank mix combinations with other herbicides, follow all use instructions for all products, including application rates, precautions, and restrictions for each product used in the tank mixture, including use of adjuvants. **The most restrictive labeling applies when using a tank mixture. This product cannot be mixed with any product containing a label prohibition against mixing.**

**MIXING INSTRUCTIONS**

Add about 1/2 of the required amount of water to the spray tank and begin agitation. Add the required amount of tank mix partner (if applicable) and mix thoroughly. Add the required amount of *Phoenix* Herbicide and continue mixing. Finally, add the correct amount of non-ionic surfactant, or crop oil concentrate, and the remaining water. Maintain agitation during filling and spraying to ensure a uniform spray mixture.

**Table 3S.**

**INDIVIDUAL TANK MIX RECOMMENDATIONS AND WEEDS CONTROLLED**

(Refer to individual product labels for specific weeds controlled and recommended weed sizes at application)

Products	Rates/acre	Specific Use Directions
<i>Phoenix</i> Herbicide	8-12.5 fl oz	<b>Key Weeds Controlled:</b> Waterhemp, black nightshade, cocklebur, common ragweed, giant ragweed, velvetleaf, pigweed, sunflower, annual morningglories, jimsonweed, smartweed and venice mallow <b>Adjuvant Recommendations:</b> Add NIS at the rate of 0.125 to 0.25% v/v.
+ FirstRate®	+ 0.3 oz	

**For broadleaf weed control and annual grass control, *Phoenix* Herbicide + FirstRate can be tank mixed with Select® 2 EC Herbicide. The minimum use rate for *Select 2 EC* Herbicide is 8 fl oz/A. The adjuvant recommendation for this 3-way mixture is NIS at 0.125 to 0.25% v/v.**

**NOTE: AMS\* at 2 lbs/A may be added to this 3-way mixture to aid in control of difficult to control grass species such as volunteer corn, yellow foxtail and woolly cupgrass.**

<i>Phoenix</i> Herbicide	8-12.5 fl oz	<b>Key Weeds Controlled:</b> Waterhemp, black nightshade, cocklebur, common ragweed, giant ragweed, pigweed, sunflower, annual morningglories, jimsonweed and yellow nutsedge <b>Adjuvant Recommendations:</b> Add NIS at the rate of 0.125 to 0.25% v/v.
+ Classic®	+ 0.5-0.66 oz	

**For broadleaf weed control and annual grass control, *Phoenix* Herbicide + Classic can be tank mixed with *Select 2 EC* Herbicide. The minimum use rate for *Select 2 EC* Herbicide is 10 fl oz/A. The adjuvant recommendation for this 3-way mixture is NIS at 0.125 to 0.25% v/v.**

**NOTE: AMS\* at 2 lbs/A may be added to this 3-way mixture to aid in control of difficult to control grass species such as volunteer corn, yellow foxtail and woolly cupgrass.**

<i>Phoenix</i> Herbicide	8-12.5 fl oz	<b>Key Weeds Controlled:</b> Waterhemp, black nightshade, cocklebur, common ragweed, giant ragweed, pigweed and velvetleaf <b>Adjuvant Recommendations:</b> Add NIS at the rate of 0.125 to 0.25% v/v.
+ Resource® Herbicide	+ 4-8 fl oz	

**For broadleaf weed control and annual grass control, *Phoenix* Herbicide + *Resource* Herbicide can be tank mixed with *Select 2 EC* Herbicide. The minimum use rate for *Select 2 EC* Herbicide is 8 fl oz/A. The adjuvant recommendation for this 3-way mixture is NIS at 0.125 to 0.25% v/v.**

**NOTE: AMS\* at 2 lbs/A may be added to this 3-way mixture to aid in control of difficult to control grass species such as volunteer corn, yellow foxtail and woolly cupgrass.**

(continued)



**Table 3S. (continued)**

<b>Products</b>	<b>Rates/acre</b>	<b>Specific Use Directions</b>
<i>Phoenix</i> Herbicide + Synchrony® STS®	8-12.5 fl oz + 0.5 oz <b>NOTE:</b> For use on STS soybeans only	<b>Key Weeds Controlled:</b> Waterhemp, black nightshade, cocklebur, common ragweed, giant ragweed, velvetleaf, pigweed, lambsquarters, jimsonweed, sunflower, smartweed, annual morningglories and yellow nutsedge <b>Adjuvant Recommendations:</b> Add NIS at the rate of 0.125 to 0.25% v/v.
<b>For broadleaf weed control and annual grass control, <i>Phoenix</i> Herbicide + Synchrony STS can be tank mixed with <i>Select 2</i> EC Herbicide. The minimum use rate for <i>Select 2</i> EC Herbicide is 8 fl oz/A. The adjuvant recommendation for this 3-way mixture is NIS at 0.125 to 0.25% v/v. <b>NOTE:</b> AMS* at 2 lbs/A may be added to this 3-way mixture to aid in control of difficult to control grass species such as volunteer corn, yellow foxtail and woolly cupgrass.</b>		
<i>Phoenix</i> Herbicide + Synchrony STS	8-12.5 fl oz + 0.25 oz	<b>Key Weeds Controlled:</b> Waterhemp, black nightshade, cocklebur, common ragweed, giant ragweed, velvetleaf, pigweed, lambsquarters, jimsonweed, sunflower and smartweed <b>Adjuvant Recommendations:</b> Add NIS at the rate of 0.125 to 0.25% v/v.
<b>For broadleaf weed control and annual grass control, <i>Phoenix</i> Herbicide + Synchrony STS can be tank mixed with <i>Select 2</i> EC Herbicide. The minimum use rate for <i>Select 2</i> EC Herbicide is 8 fl oz/A. The adjuvant recommendation for this 3-way mixture is NIS at 0.125 to 0.25% v/v. <b>NOTE:</b> AMS* at 2 lbs/A may be added to this 3-way mixture to aid in control of difficult to control grass species such as volunteer corn, yellow foxtail and woolly cupgrass.</b>		
<i>Phoenix</i> Herbicide + Raptor®	8-12.5 fl oz + 4-5 fl oz	<b>Key Weeds Controlled:</b> Waterhemp, black nightshade, cocklebur, common ragweed, giant ragweed, velvetleaf, pigweed, lambsquarters, jimsonweed, sunflower and smartweed <b>Adjuvant Recommendations:</b> Add NIS at the rate of 0.25% v/v.
<b>For broadleaf weed control and annual grass control, <i>Phoenix</i> Herbicide + Raptor can be tank mixed with <i>Select 2</i> EC Herbicide. The minimum use rate for <i>Select 2</i> EC Herbicide is 8 fl oz/A. The adjuvant recommendation for this 3-way mixture is NIS at 0.25% v/v. <b>NOTE:</b> AMS* at 2 lbs/A may be added to this 3-way mixture to aid in control of difficult to control grass species such as yellow foxtail and woolly cupgrass.</b>		
<i>Phoenix</i> Herbicide + <i>Select 2</i> EC Herbicide	8-12.5 fl oz + 6-8 fl oz	<b>Key Weeds Controlled:</b> Waterhemp, black nightshade, cocklebur, common ragweed, giant ragweed, pigweed, jimsonweed and annual grasses claimed on the <i>Select 2</i> EC Herbicide label. <b>Adjuvant Recommendations:</b> Add NIS at the rate of 0.125 to 0.25% v/v.
<b>NOTE:</b> AMS at 2 lbs/A may be added to this 2-way mixture to aid in control of difficult to control grass species such as volunteer corn, yellow foxtail and woolly cupgrass.		
<i>Phoenix</i> Herbicide + 2,4-DB	12.5 fl oz + 1 fl oz	<b>Key Weeds Controlled:</b> Waterhemp, black nightshade, cocklebur, common ragweed, giant ragweed and annual morningglories <b>Adjuvant Recommendations:</b> Add NIS at the rate of 0.125% v/v.
<b>NOTE:</b> Apply only to soybeans with greater than or equal to 4 trifoliates.		
<i>Phoenix</i> Herbicide + Pursuit® DG	8-12.5 fl oz + 1.08-1.44 oz	<b>Key Weeds Controlled:</b> Waterhemp, black nightshade, cocklebur, common ragweed, giant ragweed, velvetleaf, pigweed, jimsonweed, sunflower and smartweed <b>Adjuvant Recommendations:</b> Add NIS at the rate of 0.25% v/v.
<b>For broadleaf weed control and annual grass control, <i>Phoenix</i> Herbicide + Pursuit can be tank mixed with <i>Select 2</i> EC Herbicide. The minimum use rate for <i>Select 2</i> EC Herbicide is 8 fl oz/A. The adjuvant recommendation for this 3-way mixture is NIS at 0.25% v/v. <b>NOTE:</b> AMS* at 2 lbs/A may be added to this 3-way mixture to aid in control of difficult to control grass species such as volunteer corn, yellow foxtail and woolly cupgrass.</b>		

(continued)

**Table 3S. (continued)**

<b>Products</b>	<b>Rates/acre</b>	<b>Specific Use Directions</b>
<i>Phoenix</i> Herbicide + Scepter® DG	8-12.5 fl oz + 1.44 oz	<b>Key Weeds Controlled:</b> Waterhemp, black nightshade, cocklebur, common ragweed, giant ragweed, pigweed and sunflower <b>Adjuvant Recommendations:</b> Add NIS at the rate of 0.25% v/v.

**NOTE:** Do not add *Select 2* EC Herbicide to this tank mix.

<i>Phoenix</i> Herbicide + Harmony® GT	8-12.5 fl oz + 1/24 oz	<b>Key Weeds Controlled:</b> Waterhemp, black nightshade, common ragweed, giant ragweed and lambsquarters <b>Adjuvant Recommendations:</b> Add NIS at the rate of 0.125% v/v.
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**NOTE:** Apply only to soybeans with greater than or equal to 2 trifoliates.

**For broadleaf weed control and annual grass control, *Phoenix* Herbicide + Harmony GT can be tank mixed with *Select 2* EC Herbicide. The minimum use rate for *Select 2* EC Herbicide is 8 fl oz/A. The adjuvant recommendation for this 3-way mixture is NIS at 0.125% v/v.**

**NOTE: AMS\* at 2 lbs/A may be added to this 3-way mixture to aid in control of difficult to control grass species such as volunteer corn, yellow foxtail and woolly cupgrass.**

<i>Phoenix</i> Herbicide + Basagran®	8-12.5 fl oz + 1-2 pt	<b>Key Weeds Controlled:</b> Waterhemp, black nightshade, common ragweed, giant ragweed and lambsquarters <b>Adjuvant Recommendations:</b> Add NIS at the rate of 0.125% v/v.
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**For broadleaf weed control and annual grass control, *Phoenix* Herbicide + Basagran can be tank mixed with *Select 2* EC Herbicide. The minimum use rate for *Select 2* EC Herbicide is 10 fl oz/A. The adjuvant recommendation for this 3-way mixture is NIS at 0.125 to 0.25% v/v.**

**NOTE: The addition of AMS at 2 lbs/A may be added to this 3-way mixture to aid in control of difficult to control grass species such as volunteer corn, yellow foxtail and woolly cupgrass.**

\*The addition of AMS to the above mentioned tank mixtures may result in additional crop injury.

**ROUNDUP READY® SOYBEAN TANK MIXES**

<i>Phoenix</i> Herbicide + Roundup UltraMAX™	6-8 fl oz + 0.75-1.5 lb	<b>Key Weeds Controlled:</b> Waterhemp, black nightshade, common ragweed, giant ragweed, pigweed, annual morningglories as well as numerous other broadleaf weeds and grasses controlled by Roundup UltraMAX. <b>Adjuvant Recommendations:</b> AMS at the rate of 2.5-4.0 lbs/A is required. Refer to the Roundup UltraMAX label for additional information.
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*Phoenix* Herbicide at the above rates and adjuvant recommendations is also labeled for tank mixing with other glyphosate products; including Roundup®, Roundup Ultra®, Touchdown® and Glyphomax®. Refer to these product labels for specific use rates and weeds claimed. A temporary crop response should be expected following a post-emergence application of *Phoenix* Herbicide when tank mixed with glyphosate products. Soybean leaves which are open at the time of application will show some burn, bronzing and speckling.

**Table 4S.**  
**WHITE MOLD\* SUPPRESSION BY**  
**PHOENIX HERBICIDE SOYBEAN GROWTH STAGE**  
**6 - 12.5 FL OZ PER ACRE**

Common Name	Soybean Growth Stage	Adjuvant Recommendation
White Mold (Sclerotinia stem rot) Suppression	Applications of <i>Phoenix</i> Herbicide for white mold suppression in soybeans must be made at or just before 1st bloom. Generally this occurs after the 4th trifoliolate is fully expanded.	Non-Ionic Surfactant 0.125% v/v

\*The soybean disease white mold is caused by *Sclerotinia sclerotiorum*.

**NOTE:** It has been shown that the effects of *Phoenix* Herbicide on white mold is not a fungicidal response but one that may involve Systemic Acquired Resistance (SAR).

**PRECAUTION: DO NOT APPLY PHOENIX HERBICIDE AFTER WHITE MOLD INFECTION HAS OCCURRED.**

**Table 5S.**  
**WEEDS SUPPRESSED BY**  
**PHOENIX HERBICIDE WEED HEIGHT (INCHES)**  
**12.5 FL OZ PER ACRE**

Common Name	Maximum Weed Height
Coffee Senna*	2 - 6
Common Cocklebur	5 - 10
Kochia	2 - 6
Morningglories	
Cypressvine	5 - 8
Entireleaf*	3 - 6
Ivyleaf*	3 - 6
Palmleaf*	5 - 8
Pitted*	5 - 8
Purple Moonflower*	5 - 8
Smallflower*	5 - 8
Tall	5 - 8
Pennsylvania Smartweed	4 - 8
Pigweeds	
Palmer Amaranth	8 - 10
Prostrate	8 - 10
Redroot	8 - 10
Smooth	8 - 10
Sicklepod*	2 - 4
Spurred Anoda	2 - 6
Velvetleaf	4 - 8
Waterhemp	
Common	8 - 10
Tall	8 - 10
Wild Sunflower	3 - 6

\*Suppression may be improved when *Phoenix* Herbicide is applied following a preemergence application of *Valor* Herbicide at the recommended rates.

Suppression of growth, not acceptable commercial control, may be expected when these weeds are treated with *Phoenix* Herbicide.

The addition of crop oil concentrate at 1.0 pt/A is required for suppression of these weeds. Cultivation 7 to 10 days after treatment will usually aid in obtaining satisfactory suppression of these weeds.

**Table 6S.**  
**PERENNIAL WEEDS SUPPRESSED BY**  
**PHOENIX HERBICIDE WEED HEIGHT (INCHES)**  
**12.5 FL OZ PER ACRE**

Common Name	Maximum Weed Height
Canada Thistle	6
Milkweeds	
Climbing	6 (Vine Length)
Common	6 (Vine Length)
Morningglory	
Bigroot	
(Wild Sweet Potato)	6 (Vine Length)
Redvine	6 (Vine Length)
Swamp Smartweed	6
Trumpetcreeper	6 (Vine Length)

The addition of crop oil concentrate at 1.0 pt/A is required to burn back existing above-ground vegetation and may retard the growth of new foliage.

**Table 7S.**  
**TALL WEEDS SUPPRESSED BY PHOENIX HERBICIDE**  
**WEED HEIGHT (INCHES)**  
**12.5 FL OZ PER ACRE**

Common Name	Weed Height-Inches*
Burcucumber	15 - 36
Jimsonweed	15 - 36
Ragweed	
Common	15 - 36
Giant	15 - 36

\*When *Phoenix* Herbicide is applied at this height, complete control should not be expected.

**The addition of crop oil concentrate at 1.0 pt/A is required for suppression of these weeds. DO NOT APPLY LATER THAN 45 DAYS BEFORE HARVEST OR AFTER GROWTH STAGE R6 (FULL SEED).**

## **PHOENIX HERBICIDE PREEMERGENCE FOLLOWED BY REDUCED RATES OF PHOENIX HERBICIDE POSTEMERGENCE**

### **GENERAL INFORMATION**

*Phoenix* Herbicide may be utilized as a preemergence soil applied herbicide for control of annual broad-leaf weeds in soybeans. Following a preemergence application of *Phoenix* Herbicide, a postemergence application of *Phoenix* Herbicide may be applied in combination with other broadleaf herbicides for the control of escaped weeds.

Best results will be obtained when soybeans are planted and preemergence applications of *Phoenix* Herbicide are made in warm, moist soils which promote rapid emergence of target weeds.

**Do not** apply *Phoenix* Herbicide during periods when soybeans and the weeds are under stress or when conditions do not favor active weed growth.

**Do not** apply more than 19 fl oz (0.3 lb ai) of *Phoenix* Herbicide preemergence per acre per season.

**Table 8S.**

***Phoenix* Herbicide Preemergence Control Followed by Postemergence Application to Control Escaped Weeds - Soybean - Rates and Time of Application.**

**PREEMERGENCE APPLICATION OF *PHOENIX* HERBICIDE**

<b>Product</b>	<b>Product Rates</b>	<b>Weeds Controlled</b>	<b>Adjuvant</b>
<i>Phoenix</i> Herbicide	12.5-15 fl oz/A	Black Nightshade Pigweed Smooth Redroot	None
<i>Phoenix</i> Herbicide	15-19 fl oz/A	Copperleaf Jimsonweed Common Lambsquarters Common Ragweed Prickly Sida (Teaweed) Tall Waterhemp	None

**FOLLOWED BY POSTEMERGENCE APPLICATION OF *PHOENIX* HERBICIDE**

<i>Phoenix</i> Herbicide	12.5 fl oz/A	Refer to Table 2S for Postemergence Control of Escaped Weeds.	Refer to Table 1S
<i>Phoenix</i> Herbicide	8-12.5 fl oz/A	Refer to Table 3S when tank mixing with other broadleaf herbicides.	See Table 1S

**Use Restrictions for *Phoenix* Herbicide Applied Preemergence Followed by *Phoenix* Herbicide Applied Postemergence:**

1. Always read and follow all label directions when using any pesticide alone or sequentially. **The most restrictive labeling applies when using a tank mix.**
2. For preemergence control of grasses, tank mix *Phoenix* Herbicide with an appropriate grass herbicide.
3. Do not apply *Phoenix* Herbicide less than 45 days before harvesting soybeans or after growth stage R6 (full seed).
4. Do not graze treated fields or harvest forage or hay.
5. Do not apply *Phoenix* Herbicide postemergence if rain is expected within 2 hours of application or unsatisfactory weed control may result.
6. Do not apply more than 25 fl oz/A of *Phoenix* Herbicide per season.
7. Do not apply to soils containing more than 3.5% organic matter.
8. **New York State Only** - Apply *Phoenix* Herbicide only as a postemergence herbicide once per growing season, at a maximum seasonal application rate not to exceed 12.5 fl oz (0.2 lb ai) per acre, and not later than 90 days before harvest.



## APPENDIX

The following are scientific names for the weeds listed on this label:

COMMON NAME	SCIENTIFIC NAME
Balloonvine	<i>Cardiospermum halicacabum</i>
Beggarticks	<i>Bidens frondosa</i>
Bristly Starbur	<i>Acanthospermum hispidum</i>
Buffalobur	<i>Solanum rostratum</i>
Burcucumber	<i>Sicyos angulatur</i>
Canada Thistle	<i>Cirsium arvense</i>
Carpetweed	<i>Mollugo verticillata</i>
Clover	<i>Trifolium</i> spp.
Coffee Senna	<i>Cassia occidentalis</i>
Common Chickweed	<i>Stellaria media</i>
Common Cocklebur	<i>Xanthium strumarium</i>
Common Groundsel	<i>Senecio vulgaris</i>
Common	
Lambsquarters	<i>Chenopodium album</i>
Common Purslane	<i>Portulaca oleracea</i>
Copperleaf	
Hophornbeam	<i>Acalypha ostryifolia</i>
Virginia	<i>Acalypha virginica</i>
Cottonwood	<i>Populus</i> spp.
Croton	
Tropic	<i>Croton glandulosus</i>
Woolly	<i>Croton capitatus</i>
Dayflower	<i>Commelina</i> spp.
Devilsclaw	<i>Proboscidea louisianica</i>
Dogfennel	<i>Eupatorium capillifolium</i>
Eclipta	<i>Eclipta prostrata</i>
Florida Beggarweed	<i>Desmodium tortuosum</i>
Florida Pusley	<i>Richardia scabra</i>
Groundcherry	
Cutleaf	<i>Physalis angulata</i>
Lanceleaf	<i>Physalis lanceifolia</i>
Hairy Galinsoga	<i>Galinsoga ciliata</i>
Hemp Sesbania	<i>Sesbania exaltata</i>
Jimsonweed	<i>Datura stramonium</i>
Kochia	<i>Kochia scroparia</i>
Lanceleaf Sage	<i>Salvia reflexa</i>
Mayweed	<i>Anthemis cotula</i>
Mexicanweed	<i>Caperonia castaniifolia</i>
Milkweeds	
Climbing	<i>Sarcostemma cynanchoides</i>
Common	<i>Asclepias syriaca</i>
Morningglories	
Bigroot	
(Wild Sweet Potato)	<i>Ipomoea pandurata</i>
Cypressvine	<i>Ipomoea quamoclit</i>
Entireleaf	<i>Ipomoea hederacea</i> var. <i>integriuscula</i>
Ivyleaf	<i>Ipomoea hederacea</i>
Palmleaf	<i>Ipomoea wrightii</i>
Pitted	<i>Ipomoea lacunosa</i>
Purple Moonflower	<i>Ipomoea turbinata</i>
Smallflower	<i>Jacquemontia tamnifolia</i>
Tall	<i>Ipomoea purpurea</i>

## APPENDIX (continued)

COMMON NAME	SCIENTIFIC NAME
Mustard species	<i>Descurainia, Sinopis</i>
Nightshades	
Black	<i>Solanum nigrum</i>
Eastern Black	<i>Solanum ptycanthum</i>
Hairy	<i>Solanum sarrachoides</i>
Pearlwort	<i>Sagina</i> spp.
Pennsylvania	
Smartweed	<i>Polygonum pennsylvanium</i>
Pigweeds	
Palmer Amaranth	<i>Amaranthus palmeri</i>
Prostrate	<i>Amaranthus blitoides</i>
Redroot	<i>Amaranthus retroflexus</i>
Smooth	<i>Amaranthus hybridus</i>
Spiny Amaranth	<i>Amaranthus spinosus</i>
Pineapple Weed	<i>Matricaria matricarioides</i>
Poorjoe	<i>Diodia teres</i>
Prickly Sida (Teaweed)	<i>Sida spinosa</i>
Puncturevine	<i>Tribulus terrestris</i>
Ragweeds	
Common	<i>Ambrosia artemisiifolia</i>
Giant	<i>Ambrosia trifida</i>
Redvine	<i>Brunnichia ovata</i>
Showy Crotalaria	<i>Crotalaria spectabilis</i>
Sicklepod	<i>Cassia obtusifolia</i>
Swamp	<i>Polygonum coccineum</i>
Smell Melon	<i>Cucumis melo</i>
Spurge	
Prostrate	<i>Euphorbia humistrata</i>
Spotted	<i>Euphorbia maculata</i>
Toothed	<i>Euphorbia serrata</i>
Spurred Anoda	<i>Anoda cristata</i>
Sowthistle	<i>Sonchus</i> spp.
Sunflower	
Common	<i>Helianthus annuus</i>
Wild	<i>Helianthus</i> spp.
Waterhemp	
Common	<i>Amaranthus rudis</i>
Tall	<i>Amaranthus tuberculatos</i>
Trumpetcreeper	<i>Campsis radicans</i>
Velvetleaf	<i>Abutilon theophrasti</i>
Venice Mallow	<i>Hibiscus trionum</i>
Wild Mustard	<i>Sinapis arvensis</i>
Wild Poinsettia	<i>Euphorbia heterophylla</i>
Willow	<i>Salix</i> spp.
Witchweed	<i>Striga asiatica</i>
Yellow Nutsedge	<i>Cyperus esculentus</i>
Yellow Woodsorrel	<i>Oxalis stricta</i>

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## STORAGE AND DISPOSAL

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Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment.

### STORAGE

Store in cool, dry place.

Keep pesticide in original container.

Do not put concentrate or dilute into food or drink containers.

Not for use or storage in or around the home.

For help with any spill, leak, fire or exposure involving this material call day or night 1-800-892-0099.

### PESTICIDE DISPOSAL

This product is acutely hazardous. Improper disposal of excess pesticide, spray mixture, 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 container. Do not reuse or refill the container. Clean container 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. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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Manufactured for

**Valent U.S.A. Corporation**

P.O. Box 8025

Walnut Creek CA 94596-8025

Made in U.S.A.

Form 1422-F

EPA Reg. No. 59639-118

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Always check with your state to verify state registration status or call 800-6-VALENT (682-5368).



For state registration and/or supplemental labels, please call or visit us online.

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