



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

November 18, 2015

Mr. Robert Hamilton  
Valent USA Corporation  
1600 Riviera Ave, Suite 200  
Walnut Creek, CA 94596

Subject: Amendment to Add a Supplemental Label – Addition of a new supplemental label for soybean and extension of the expiration date for the existing supplemental label for dry beans, flax, lentil, wheat, sunflower and safflower  
Product Name: Valor Herbicide  
EPA Registration Number: 59639-99  
Application Date: 8-19-15  
Decision Number: 508758

Dear Mr. Hamilton:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval is only for a supplemental label that is an addendum to the master label. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

This supplemental labeling contains some new and/or revised uses and/or directions which may be additional to the uses and/or directions found on the label on or attached to the container, but this supplemental labeling does not by itself constitute the complete set of use directions. The complete set of use directions is set forth on the container label as combined with this supplemental labeling.

A stamped copy of your labeling is enclosed for your records. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have questions concerning this letter, please call Banza Djapao at 703-305-7269 or via e-mail at [djapao.banza@epa.gov](mailto:djapao.banza@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Shaja B. Joyner", is positioned above the typed name.

Shaja B. Joyner, Product Manager 20  
Fungicide and Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosures

# Supplemental Label



## VALOR<sup>®</sup> HERBICIDE

EPA Reg. No. 59639-99

### VALOR<sup>®</sup> HERBICIDE FOR USE IN DRY BEANS, FIELD PEAS, FLAX, LENTILS, SAFFLOWER, SUNFLOWER AND WHEAT

This supplemental label expires November 15, 2016 and must not be used or distributed after this date.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE):

For aerial application to field peas; flax; lentils; safflower; sunflower and wheat, mixer/loaders must also wear: filtering face piece respirator (N95, R95 or P95).

#### DIRECTIONS FOR USE

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

**THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF APPLICATION. READ THE LABEL AFFIXED TO THE CONTAINER FOR VALOR HERBICIDE BEFORE APPLYING. USE OF VALOR HERBICIDE ACCORDING TO THIS LABELING IS SUBJECT TO THE USE PRECAUTIONS AND LIMITATIONS IMPOSED BY THE LABEL AFFIXED TO THE CONTAINER FOR VALOR HERBICIDE**

#### DIRECTIONS FOR USE IN DRY BEANS

Dried cultivars of bean (*Lupinus*); bean (*Phaseolus*) (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean, tepary bean); bean (*Vigna*) (includes adzuki bean, blackeyed pea, catjang, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); broad bean (dry); chickpea; guar; lablab bean and lentil

#### HARVEST AID

#### RESTRICTIONS AND LIMITATIONS

- Do not apply more than 3 oz of *Valor* per acre during a single application.
- Do not apply more than 3 oz of *Valor* per acre during a single growing season.
- Do not harvest within 5 days of application.

**ACCEPTED**

11/18/2015

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 59639-99

Desiccation from *Valor* requires the addition of an agronomically approved adjuvant to the spray mixture. A methylated seed oil which contains at least 15% emulsifiers and 80% oil at 2% v/v should be used. A spray grade nitrogen source (either ammonium sulfate at 2 to 2.5 lb/A or a 28 to 32% nitrogen solution at 1 to 2 qt/A) may be added to the spray mixture along with either a crop oil concentrate or methylated seed oil to enhance desiccation. The addition of a nitrogen source does not replace the need for a crop oil concentrate or a methylated seed oil. Tank mixing *Valor* with glyphosate or paraquat will increase control of emerged weeds and aid in harvest. Add a burndown tank mix partner for the control of emerged weeds labeled for dry bean in accordance with the most restrictive labeled limitations and precautions.

#### TIMING TO DRY BEANS

Apply when crop is mature and at least 80% of the pods are yellowing and mostly ripe with no more than 40% (bush type beans) or 30% (vine type beans) of the leaves still green in color. Dry beans can be harvested 5 days after application. To ensure thorough coverage use 15 to 30 gallons spray solution per acre. Nozzle selection should meet manufacturer's gallonage and pressure recommendations for postemergence application.

**Weeds Suppressed by Residual Activity of Valor at 1.5 oz/A Table**

COMMON NAME	SCIENTIFIC NAME	ORGANIC MATTER	VALOR RATE
Lambsquarters, Common	<i>Chenopodium album</i>	Up to 5%	1.5 oz/A
Mustard, Wild	<i>Brassica kaber</i>		
Nightshades			
Black	<i>Solanum nigrum</i>		
Eastern Black	<i>Solanum ptycanthum</i>		
Hairy	<i>Solanum sarrachoides</i>		
Pigweeds			
Palmer Amaranth	<i>Amaranthus palmeri</i>		
Redroot	<i>Amaranthus retroflexus</i>		
Smooth	<i>Amaranthus hybridus</i>		
Spiny Amaranth	<i>Amaranthus spinosus</i>		
Tumble	<i>Amaranthus albus</i>		
Prickly Lettuce (China Lettuce)	<i>Lactuca serriola</i>		
Radish, Wild	<i>Raphanus raphanistrum</i>		

**DIRECTIONS FOR USE IN FIELD PEAS****WEED CONTROL****RESTRICTIONS AND LIMITATIONS**

- Do not apply more than 2 oz of Valor Herbicide per acre during a single application.
- Do not apply more than 2 oz of Valor Herbicide per acre during a single growing season.
- [For use in Idaho, Montana, Oregon and Washington only.]

Many weather related factors, including high wind, splashing or heavy rains or cool conditions at or near crop emergence, may result in pea injury in fields treated with Valor Herbicide. On occasion this has resulted in a delay in maturity. User should assume these risks before using Valor Herbicide.

**TIMING TO FIELD PEAS**

Valor Herbicide may be applied to field peas within 2 days after planting for the preemergence control of the weeds listed in Table 1, Broadleaf Weeds Controlled by Residual Activity of Valor on the container label or refer to the table on this label Weeds Suppressed by Residual Activity of Valor at 1.5 oz/A. Tank mix Valor Herbicide with other labeled herbicides for broad spectrum weed control.

**TIMING TO WEEDS**

Valor Herbicide may be applied to field peas prior to planting or preemergence (after planting). Preemergence application of Valor Herbicide must be made within 2 days after planting and prior to field pea emergence. To avoid severe crop injury, do not apply to field peas after peas begin to crack or have emerged.

Preplant incorporation (PPI) applications may result in reduced weed control.

**ADDITIONAL RESIDUAL GRASS CONTROL**

Valor Herbicide can be tank mixed with pendimethalin for additional grass control.

**HARVEST AID****RESTRICTIONS AND LIMITATIONS**

- Do not apply more than 3 oz of Valor Herbicide per acre during a single application.
- Do not apply more than 3 oz of Valor Herbicide per acre during a single growing season.
- Do not harvest within 5 days of application.

Desiccation from *Valor* Herbicide requires the addition of an agronomically approved adjuvant to the spray mixture. A methylated seed oil which contains at least 15% emulsifiers and 80% oil at 1 qt/A should be used. A spray grade nitrogen source (either ammonium sulfate at 2 to 2.5 lb/A or a 28 to 32% nitrogen solution at 1 to 2 qt/A) may be added to the spray mixture along with methylated seed oil to enhance desiccation. The addition of a nitrogen source does not replace the need for methylated seed oil. Tank mixing *Valor* Herbicide with glyphosate will increase control of emerged weeds and aid in harvest.

#### **TIMING TO FIELD PEAS**

Apply *Valor* Herbicide, at 1.5 to 2 oz/A, when crop is physiologically mature and a minimum of 80% of the pods are yellow to tan in color and 20% are yellow in color. If field peas are treated too early, a reduction in seed quality may occur. Do not spray *Valor* Herbicide on any area of the field with a significant amount of plants with green color. Peas can be harvested 5 days after application.

To ensure thorough coverage, use 15 to 30 gallons of spray solution per acre and select nozzle type using manufacturer's gallonage and pressure recommendations for postemergence application.

### **DIRECTIONS FOR USE IN FLAX**

#### **HARVEST AID**

##### **RESTRICTIONS AND LIMITATIONS**

- Do not apply more than 3 oz of *Valor* Herbicide per acre during a single application.
- Do not apply more than 3 oz of *Valor* Herbicide per acre during a single growing season.
- Do not harvest within 5 days of application.

Desiccation from *Valor* Herbicide requires the addition of an agronomically approved adjuvant to the spray mixture. A methylated seed oil which contains at least 15% emulsifiers and 80% oil at 1 qt/A should be used. A spray grade nitrogen source (either ammonium sulfate at 2 to 2.5 lb/A or a 28 to 32% nitrogen solution at 1 to 2 qt/A) may be added to the spray mixture along with methylated seed oil to enhance desiccation. The addition of a nitrogen source does not replace the need for methylated seed oil.

#### **TIMING TO FLAX**

Apply *Valor* Herbicide, at 1.5 to 2 oz/A, when crop is physiologically mature and at least 75% of the bolls are brown in color. Flax can be harvested 5 days after application.

To ensure thorough coverage, use 15 to 30 gallons of spray solution per acre and select nozzle type using manufacturer's gallonage and pressure recommendations for postemergence application.

### **DIRECTIONS FOR USE IN LENTILS**

#### **HARVEST AID**

##### **RESTRICTIONS AND LIMITATIONS**

- Do not apply more than 3 oz of *Valor* Herbicide per acre during a single application.
- Do not apply more than 3 oz of *Valor* Herbicide per acre during a single growing season.
- Do not harvest within 5 days of application.

Desiccation from *Valor* Herbicide requires the addition of an agronomically approved adjuvant to the spray mixture. A methylated seed oil which contains at least 15% emulsifiers and 80% oil at 1 qt/A should be used. A spray grade nitrogen source (either ammonium sulfate at 2 to 2.5 lb/A or a 28 to 32% nitrogen solution at 1 to 2 qt/A) may be added to the spray mixture along with methylated seed oil to enhance desiccation. The addition of a nitrogen source does not replace the need for methylated seed oil. Tank mixing *Valor* Herbicide with glyphosate or paraquat will increase control of emerged weeds and aid in harvest.

## **TIMING TO LENTILS**

Apply *Valor* Herbicide, at 1.5 to 2 oz/A, when crop is physiologically mature and a minimum of 80% of the pods are yellow to tan in color and 20% are yellow in color. If lentils are treated too early, a reduction in seed quality may occur. Do not spray *Valor* Herbicide on any area of the field with a significant amount of plants with green color. Lentils can be harvested 5 days after application.

To ensure thorough coverage, use 15 to 30 gallons of spray solution per acre and select nozzle type using manufacturer's gallonage and pressure recommendations for postemergence application.

## **DIRECTIONS FOR USE IN SAFFLOWER AND SUNFLOWER**

### **HARVEST AID**

#### **RESTRICTIONS AND LIMITATIONS**

- Do not apply more than 3 oz of *Valor* Herbicide per acre during a single application.
- Do not apply more than 3 oz of *Valor* Herbicide per acre during a single growing season.
- Do not harvest within 5 days of application.

Desiccation from *Valor* Herbicide requires the addition of an agronomically approved adjuvant to the spray mixture. A methylated seed oil which contains at least 15% emulsifiers and 80% oil at 1 qt/A should be used. A spray grade nitrogen source (either ammonium sulfate at 2 to 2.5 lb/A or a 28 to 32% nitrogen solution at 1 to 2 qt/A) may be added to the spray mixture along with methylated seed oil to enhance desiccation. The addition of a nitrogen source does not replace the need for methylated seed oil. Tank mixing *Valor* Herbicide with glyphosate or paraquat will increase control of emerged weeds and aid in harvest for sunflowers. Tank mixing *Valor* Herbicide with glyphosate will increase control of emerged weeds and aid in harvest for safflower.

## **TIMING TO SAFFLOWER AND SUNFLOWER**

Apply *Valor* Herbicide, at 1.5 to 2 oz/A, when crop is mature (when seed is 35% moisture or less). For many varieties, this is when the backs of the heads are turning yellow and the bracts are turning brown. Sunflower and safflower can be harvested 5 days after application.

To ensure thorough coverage, use 15 to 30 gallons of spray solution per acre and select nozzle type using manufacturer's gallonage and pressure recommendations for postemergence application.

## **DIRECTIONS FOR USE IN WHEAT**

[For use in the states of

DE, ID, KY, MD, MN, MT, NC, ND, NJ, OR, PA, SC, SD, TN, VA, WA and WI Only]

#### **RESTRICTIONS AND LIMITATIONS**

- Do not apply more than 2 oz of *Valor* Herbicide per acre during a single application.
- Do not apply more than 2 oz of *Valor* Herbicide per acre during a single growing season.

## **PRE-PLANT APPLICATIONS, PRE-EMERGENCE WEED CONTROL**

#### **RESTRICTIONS AND LIMITATIONS**

- For pre-plant weed control, use only on no-till or minimum tillage fields where the previous year's crop residue has not been incorporated into the soil.
- [Plant wheat no sooner than 7 days after *Valor* Herbicide application in the states of DE, ID, KY, MD, MN, MT, NC, ND, NJ, OR, PA, SC, SD, TN, VA, WA or WI]
- [Plant wheat no sooner than 14 days after *Valor* Herbicide application in the states of DE, ID, KY, MD, MN, MT, NC, ND, NJ, OR, PA, SC, SD, TN, VA, WA or WI]
- [Do not use on Durum wheat.]
- Do not irrigate between emergence and spike.
- Wheat must be planted a minimum of 1" deep.
- Do not graze until wheat has reached 5 inches in height.

### **Burndown Use Directions**

*Valor* Herbicide, applied as part of a burndown program, at 2 oz/A, may be used for residual weed control, as well as to assist in postemergence burndown of many weeds where wheat will be planted directly into the residue of the previous crop. See container label for Directions for Use in Fall Burndown Programs in Fields to be Planted to Barley, Field Pea, Flax, Lentil, Safflower, Sunflower and Spring Wheat for rates and timing of applications. For control of emerged weeds, *Valor* Herbicide must be applied with an appropriate burndown tank mix partner. To ensure thorough coverage, use a minimum of 15 gallons of spray solution per acre. Refer to tank mix partner's label for recommended application pressure and recommended adjuvant systems.

### **HARVEST AID**

#### **RESTRICTIONS AND LIMITATIONS**

- Do not harvest within 10 days of application.

### **Use Directions**

*Valor* Herbicide, applied at 2 oz/A for desiccation requires the addition of an agronomically approved adjuvant to the spray mixture. Use a methylated seed oil which contains at least 15% emulsifiers and 80% oil at 1 qt/A. A spray grade nitrogen source (either ammonium sulfate at 2 to 2.5 lb/A or a 28 to 32% nitrogen solution at 1 to 2 qt/A) may be added to the spray mixture along with methylated seed oil to enhance desiccation. The addition of a nitrogen source does not replace the need for methylated seed oil. Tank mixing *Valor* Herbicide with glyphosate will increase control of emerged weeds and aid in harvest.

To ensure thorough coverage, use a minimum of 10 gallons spray solution per acre by ground application and a minimum of 5 gallons per acre by aerial application. Nozzle selection should meet manufacturer's gallonage and pressure recommendations for postemergence application.

### **TIMING TO WHEAT**

Apply *Valor* at 1.5 to 2 oz/A, after wheat reaches the hard dough stage and grain has no more than 30% moisture. Wheat can be harvested 10 days after application. Valent recommends tank mixing with glyphosate.

**PLEASE CONTACT VALENT U.S.A. CORPORATION AT 800-6-VALENT (682-5368) TO DETERMINE IF THIS USE IS REGISTERED IN YOUR STATE.**

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*Valor* is a registered trademark of Valent U.S.A. Corporation

Manufactured for:

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

P. O. Box 8025

Walnut Creek, CA 94596-8025

www.valent.com

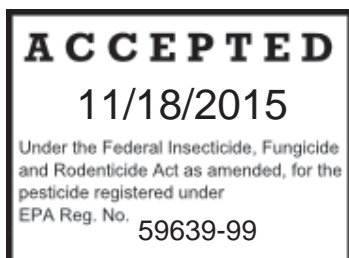
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# Supplemental Label



## VALOR<sup>®</sup> HERBICIDE EPA Reg. No. 59639-99

### VALOR<sup>®</sup> HERBICIDE FOR USE IN SOYBEAN

This supplemental label expires November 15, 2018 and must not be used or distributed after this date.

#### DIRECTIONS FOR USE

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

**THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF APPLICATION. READ THE LABEL AFFIXED TO THE CONTAINER FOR VALOR HERBICIDE BEFORE APPLYING. USE OF VALOR HERBICIDE ACCORDING TO THIS LABELING IS SUBJECT TO THE USE PRECAUTIONS AND LIMITATIONS IMPOSED BY THE LABEL AFFIXED TO THE CONTAINER FOR VALOR HERBICIDE**

#### DIRECTIONS FOR USE IN SOYBEAN

##### RESTRICTIONS AND LIMITATIONS

- Do not apply more than 3 oz of *Valor* Herbicide per acre during a single growing season.
- Do not graze treated fields or feed treated hay to livestock.

##### PRECAUTIONS

- Do not tank mix *Valor* Herbicide with flufenacet (Axiom<sup>®</sup>, Domain<sup>®</sup>), metolachlor (Dual<sup>®</sup> Magnum, Dual<sup>®</sup> II Magnum, Boundary<sup>®</sup>) or dimethenamid (Frontier<sup>®</sup> or Outlook<sup>®</sup>) within 14 days of planting soybeans, unless soybeans are planted under no-till or minimum tillage conditions on wheat stubble or no-till field corn stubble.
- Do not irrigate when soybeans are cracking.

##### TIMING TO SOYBEANS

*Valor* may be applied to soybeans prior to planting or preemergence (after planting). Preemergence application of *Valor* must be made within 3 days after planting and prior to soybean emergence. Application after the soybeans have begun to crack, or are emerged, will result in severe crop injury. Application should not be made when soybeans have begun to crack. Select *Valor* rate from Table 1, on the container label, according to anticipated weed spectrum.

##### TIMING TO WEEDS

###### Burndown – Preemergence to Soybeans, Postemergence to Weeds

*Valor*, applied as part of a burndown program, may be used for residual weed control, as well as to assist in postemergence burndown of many annual and perennial weeds where soybeans will be planted directly into a stale seedbed, cover crop or in previous crop residues. For control of emerged weeds, choose the most appropriate tank mix partner from the table Tank Mix Partners for Control of Emerged Weeds in Reduced Tillage Soybeans on the container label. Apply *Valor* with ground equipment before planting, during planting or within 3 days after planting, **but before the crop emerges**. To ensure thorough coverage, use a minimum of 15 gals of spray solution per acre. Refer to tank mix partner's label for recommended application pressure. All *Valor* tank mixes applied to assist in the control of emerged weeds must be applied with crop oil concentrate or methylated seed oil at 1 to 2 pt/A or a non-ionic surfactant at 0.25% v/v.

### INCREASING SPEED OF GLYPHOSATE BURNDOWN ACTIVITY

*Valor*, at rates as low as 1 oz/A, may be tank mixed with glyphosate (Roundup®) to increase the speed of burndown activity compared to glyphosate applied alone. Residual weed control will not be provided at rates lower than 2 oz/A; however, suppression of the weeds in the table Weeds Suppressed by Residual Activity of *Valor* Herbicide on the container label, may occur at *Valor* rates as low as 1 oz/A.

### TANK MIXES

*Valor* may be tank mixed with the herbicides listed in the table Tank Mix Partners for Control of Emerged Weeds in Reduced Tillage Soybeans on the container label, for increased burndown activity, additional residual broadleaf and/or additional grass control. Refer to tank mix partner's label for adjuvant recommendations.

### ADDITIONAL RESIDUAL BROADLEAF CONTROL

*Valor* can be tank mixed with metribuzin, FirstRate®, Lorox®, Pursuit Plus®, Python®, Squadron®, Scepter® or Steel® for additional broadleaf control.

### ADDITIONAL RESIDUAL GRASS CONTROL

*Valor* can be tank mixed with pendimethalin or Command® for additional grass control. [In the states of (**Note to EPA Reviewer: specific states will be listed here**) *Valor* Herbicide at 2 oz per acre can be tank mixed with micro-encapsulated acetochlor (Warrant®).] [Tank mixes with flufenacet (Axiom or Domain), metolachlor (Dual products or Boundary) or dimethenamid (Frontier or Outlook) may result in severe injury to soybeans when application is followed by prolonged periods of cool wet weather and should not be used with *Valor*], unless supplemental labeling, provided by Valent U.S.A. Corporation, is followed.]

### ROUNDUP READY® PROGRAM

*Valor* may be applied as part of a burndown program or preemergence in conventional tillage programs, at 2 to 3 oz/A to reduce early season weed competition from waterhemp, velvetleaf, nightshade and morningglories as well as other weeds listed in the tables on the container label **Weeds Suppressed by Residual Activity of *Valor* Herbicide and Weeds Controlled by Fall and Spring Preplant Burndown Programs** in Roundup Ready programs. A sequential post emergence application of glyphosate will be required to control weeds not controlled by *Valor*.

**PLEASE CONTACT VALENT U.S.A. CORPORATION AT 800-6-VALENT (682-5368) TO DETERMINE IF THIS USE IS REGISTERED IN YOUR STATE.**

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Axiom and Domain are registered trademarks of Bayer

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Command is a registered trademark of FMC Corporation

Dual are registered trademarks of Syngenta

Frontier, Outlook, Pursuit Plus, Squadron and Scepter Steel are registered trademarks of BASF

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Lorox is a registered trademark of E.I. du Pont de Nemours and Company

Roundup, Roundup Ready and Warrant are registered trademarks of Monsanto Company

Manufactured for:

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

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Made in U.S.A.

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