



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

January 9, 2017

Mr. Joseph Powell  
Project Manager  
Registration and Regulatory Affairs  
Valent U.S.A. Corporation  
1600 Riviera Ave. Suite 200  
Walnut Creek, CA 94596-8025

Subject: Amendment to Add a Supplemental Label – correcting format and typographical errors  
Product Name: V10137 1 EC Herbicide  
EPA Registration Number: 59639-132  
Application Date: October 7, 2016  
Decision Number: 522781

Dear Mr. Powell:

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 any questions, please contact Eleanor Thornton by phone at 703-305-6799, or via email at [Thornton.eleanor@epa.gov](mailto:Thornton.eleanor@epa.gov).

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EPA Reg. No. 59639-132  
Decision No. 522781

Sincerely,

A handwritten signature in black ink, appearing to read "Erik Kraft". The signature is fluid and cursive, with a large initial "E" and a long, sweeping underline.

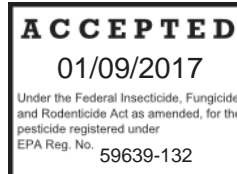
Erik Kraft, Acting Product Manager 24  
Fungicide and Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

# Supplemental Label



[Bracketed text is optional]



## V-10137 1 EC HERBICIDE EPA Reg. No. 59639-132

**APPLICATION OF V-10137 1 EC HERBICIDE IN BERRY LOW GROWING (EXCEPT CRANBERRY AND STRAWBERRY SUBGROUP 13-07G); CANOLA INCLUDING RAPESEED SUBGROUP 20A (EXCEPT FLAX SEED, MUSTARD SEED AND SESAME SEED); POME FRUIT (CROP GROUP 11-10); STEVIA, DRIED LEAVES; STONE FRUIT (CROP GROUP 12-12) AND SUNFLOWER (SUBGROUP 20B)**

This supplemental label expires May 2, 2019 and must not be used or distributed after this date.

**THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF APPLICATION. READ THE LABEL AFFIXED TO THE CONTAINER FOR V-10137 1 EC HERBICIDE BEFORE APPLYING. USE OF V-10137 1 EC HERBICIDE ACCORDING TO THIS LABELING IS SUBJECT TO THE USE PRECAUTIONS AND LIMITATIONS IMPOSED BY THE LABEL AFFIXED TO THE CONTAINER FOR V-10137 1 EC HERBICIDE.**

### DIRECTIONS FOR USE

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

**Restriction:** Do not plant rotational crops until 30 days after application of V-10137 1 EC Herbicide unless the crop is listed on V-10137 1 EC Herbicide label.

### CROP SPECIFIC USE DIRECTIONS, RESTRICTIONS AND LIMITATIONS FOR V-10137 1 EC HERBICIDE

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre <sup>(2)</sup>	Perennial Grass Use Rate Per Acre <sup>(2)</sup>	Adjuvant Recommendation <sup>(3)</sup>	Ammonium Sulfate Recommendation <sup>(4)</sup>	Special Use Instructions And Restrictions
<b>Berry Low Growing (except Cranberry and Strawberry) (Subgroup 13-07G)</b> including: Bearberry Bilberry Blueberry, lowbush Cloudberry Lingonberry Muntries Partridgeberry	45 days	9 to 16 fl oz <sup>(5)</sup>	12 to 16 fl oz	Non-ionic Surfactant NIS at 0.25% v/v	None	For repeat applications make a minimum of a 14 day interval.  Verify crop tolerance to V-10137 1 EC Herbicide on a small area of the crop, at the desired V-10137 1 EC Herbicide rate and with the same Non-ionic Surfactant (NIS) that will be used on the field. If no crop response is evident seven (7) days after treatment, V-10137 1 EC Herbicide may be used on the entire field at the rate tested and with the same NIS used in the tolerance test.  <b>Restrictions</b> Do not apply more than 16 fl oz/A (0.121 lb ai/A) per application.  Do not apply more than 64 fl oz/A (0.485 lb ai/A) per year.

**CROP SPECIFIC USE DIRECTIONS, RESTRICTIONS AND LIMITATIONS FOR V-10137 1 EC HERBICIDE**

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre <sup>(2)</sup>	Perennial Grass Use Rate Per Acre <sup>(2)</sup>	Adjuvant Recommendation <sup>(3)</sup>	Ammonium Sulfate Recommendation <sup>(4)</sup>	Special Use Instructions And Restrictions
<p><b>Canola Including Rapeseed Subgroup 20A (except Flax Seed, Mustard Seed and Sesame Seed)</b> Including: (Not for use in California) Borage Crambe Cuphea Echium Gold of Pleasure (Camelina) Hare's Ear Mustard Lesquerella Lunaria Meadowfoam Milkweed Oil Radish Poppy seed Rapeseed (canola) Sweet Rocket</p>	70 days	9 to 12 fl oz <sup>(5)</sup>	12 fl oz	Non-ionic Surfactant (NIS) at 0.25% v/v	None	<p>Verify crop tolerance to V-10137 1 EC Herbicide on a small area of the crop, at the desired V-10137 1 EC Herbicide rate and with the same Non-ionic Surfactant (NIS) that will be used on the field. If no crop response is evident seven (7) days after treatment, V-10137 1 EC Herbicide may be used on the entire field at the rate tested and with the same NIS used in the tolerance test.</p> <p><b>Restrictions</b> Do not apply more than 12 fl oz/A (0.091 lb ai/A) per application.</p> <p>Do not apply more than 12 fl oz/A (0.091 lb ai/A) per year.</p> <p>Do not apply after crop has begun bolting. Crop injury may occur when V-10137 1 EC Herbicide is applied during the bloom period.</p>
<p><b>Pome Fruit (Crop Group 11-10)</b> including: Apple Azarole Crabapple Loquat Mayhaw Medlar Pear Pear, Asian Quince Quince, Chinese Quince, Japanese Tejocote</p>	14 days	9 to 16 fl oz	12 to 16 fl oz	Non-ionic Surfactant (NIS) at 0.25% v/v	None	<p>For repeat applications make on a minimum of a 14 day interval.</p> <p><b>Restrictions</b> Do not apply more than 16 fl oz/A (0.121 lb ai/A) in a single application.</p> <p>Do not apply more than 64 fl oz/A (0.485 lb ai/A) per year.</p>

**CROP SPECIFIC USE DIRECTIONS, RESTRICTIONS AND LIMITATIONS FOR V-10137 1 EC HERBICIDE**

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre <sup>(2)</sup>	Perennial Grass Use Rate Per Acre <sup>(2)</sup>	Adjuvant Recommendation <sup>(3)</sup>	Ammonium Sulfate Recommendation <sup>(4)</sup>	Special Use Instructions And Restrictions
Stevia, (dried leaves)	14 days	9 to 16 fl oz	12 to 16 fl oz	Non-ionic Surfactant (NIS) at 0.25% v/v	None	<p>For repeat applications make on a minimum of a 14 day interval.</p> <p>V-10137 1 EC Herbicide has not been tested on all varieties. It is the responsibility of the user to test V-10137 1 EC Herbicide on a small portion of the crop to be treated before treating the entire field.</p> <p>Verify crop tolerance to V-10137 1 EC Herbicide on a small area of the crop, at the desired V-10137 1 EC Herbicide rate and with the same Non-ionic Surfactant (NIS) that will be used on the field. If no crop response is evident seven (7) days after treatment, V-10137 1 EC Herbicide may be used on the entire field at the rate tested and with the same NIS used in the tolerance test.</p> <p><b>Restrictions</b> Do not apply more than 16 fl oz/A (0.121 lb ai/A) in a single application.</p> <p>Do not apply more than 64 fl oz/A (0.485 lb ai/A) per year.</p>
<p><b>Stone Fruit (Crop Group 12-12)</b> Including: Apricot Apricot, Japanese Capulin Cherry, Black Cherry, Nanking Cherry, Sweet Cherry, Tart Jujube, Chinese Nectarine Peach Plum Plum, American Plum, Beach Plum, Canada Plum, Cherry Plum, Chickasaw Plum, Damson Plum, Japanese Plum, Klamath Plum, Prune Plumcot Sloe</p>	14 days	9 to 16 fl oz	12 to 16 fl oz	Non-ionic Surfactant (NIS) at 0.25% v/v	None	<p>For repeat applications make on a minimum of a 14 day interval.</p> <p><b>Restrictions</b> Do not apply more than 16 fl oz/A (0.121 lb ai/A) in a single application.</p> <p>Do not apply more than 64 fl oz/A (0.485 lb ai/A) per year.</p>

**CROP SPECIFIC USE DIRECTIONS, RESTRICTIONS AND LIMITATIONS FOR V-10137 1 EC HERBICIDE**

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Annual Grass Use Rate Per Acre <sup>(2)</sup>	Perennial Grass Use Rate Per Acre <sup>(2)</sup>	Adjuvant Recommendation <sup>(3)</sup>	Ammonium Sulfate Recommendation <sup>(4)</sup>	Special Use Instructions And Restrictions
<b>Sunflower (Subgroup 20B)</b> including: Calendula Casteroil Plant Chinese Tallowtree Euphorbia Evening Primrose Jojoba Niger Seed Rose Hip Stokes Aster Tallowwood Tea Oil Plant Vernonia	70 days	9 to 16 fl oz <sup>(5)</sup>	12 to 32 fl oz	Non-ionic Surfactant (NIS) at 0.25% v/v or Crop Oil Concentrate/ Methylated Seed Oil at 1 qt/A or 1% v/v  See tank mix label for specific adjuvant recommendations.	2.5 to 4 lb/A	For repeat applications make on a minimum of a 14 day interval.  Verify crop tolerance to V-10137 1 EC Herbicide on a small area of the crop, at the desired V-10137 1 EC Herbicide rate and with the same crop oil concentrate that will be used on the field. If no crop response is evident seven (7) days after treatment, V-10137 1 EC Herbicide may be used on the entire field at the rate tested and with the same crop oil used in the tolerance test.  <b>Restrictions</b> Do not apply more than 32 fl oz/A (0.242 lb ai/A) per application.  Do not apply more than 64 fl oz/A (0.485 lb ai/A) per year.

<sup>(1)</sup> V-10137 1 EC Herbicide is not recommended for use on vegetable crops being grown for seed production unless specific use directions are provided.

<sup>(2)</sup> See annual and perennial grass control tables for specific use rate directions.

<sup>(3)</sup> Non-ionic surfactant (NIS) in this case refers to an adjuvant containing at least 80% non-ionic surfactant. Crop oil concentrate in this case refers to both crop oil concentrate and crop oil concentrate blends. **Acceptable crop oil concentrates** would be those that contain a minimum of 80% oils and 15% emulsifier. **Acceptable crop oil concentrate blends** would be those that contain a minimum of 60% oils and 25-40% surfactants and emulsifiers. A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all the following criteria: be non-phytotoxic, contain only EPA-exempt ingredients, provide good mixing quality and be successful in local experience. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils.

<sup>(4)</sup> Use spray grade ammonium sulfate. The use of ammonium sulfate does not take the place of the required adjuvant.

<sup>(5)</sup> See DIRECTIONS FOR REDUCED RATE USE TO CONTROL SMALL ANNUAL GRASSES table.

## USE DIRECTIONS FOR ANNUAL GRASSES ALL CROPS

- Apply only to actively growing grasses at recommended weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the recommended growth stage for treatment.
- Use the high rate under heavy grass pressure and/or when grasses are at maximum height.

### Restrictions

- Do not exceed the maximum per application rate listed in CROP SPECIFIC USE DIRECTIONS, RESTRICTIONS AND LIMITATIONS FOR V-101371 EC HERBICIDE.
- Do not exceed the maximum yearly rate listed in CROP SPECIFIC USE DIRECTIONS, RESTRICTIONS AND LIMITATIONS FOR V-101371 EC HERBICIDE.

GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT* (inches)	APPLICATION RATES	
			MINIMUM RATE fl oz/A	MAXIMUM RATE <sup>(1)</sup> fl oz/A
Barnyardgrass	<i>Echinochloa crus-galli</i>	2 to 8	9	16
Broadleaf Signalgrass	<i>Brachiaria platyphylla</i>	2 to 6	9	16
Brome				
California	<i>Bromus carinatus</i>	2 to 6	9	16
Cheat	<i>Bromus secalinus</i>	2 to 6	9	16
Downy	<i>Bromus tectorum</i>	2 to 6	9	16
Ripgut	<i>Bromus diandrus</i>	2 to 6	9	16
Canarygrass	<i>Phalaris canariensis</i>	1 to 4	9	16
Crabgrass				
Hairy	<i>Digitaria adscendens</i>	2 to 6**	9	16
Large	<i>Digitaria sanguinalis</i>	2 to 6**	9	16
Smooth	<i>Digitaria ischaemum</i>	2 to 6**	9	16
Southern	<i>Digitaria ciliaris</i>	2 to 6**	9	16
Crowfootgrass	<i>Dactyloctenium aegyptium</i>	2 to 6**	9	16
Fall Panicum	<i>Panicum dichotomiflor</i>	2 to 8	9	16
Field Sandbur	<i>Cenchrus incertus</i>	2 to 6	9	16
Foxtail				
Giant	<i>Setaria faberi</i>	2 to 12	9	16
Green	<i>Setaria viridis</i>	2 to 8	9	16
Yellow	<i>Setaria glauca</i>	2 to 8	9	16
Goosegrass	<i>Eleusine indica</i>	2 to 6**	9	16
Itchgrass	<i>Rottboellia cochinchinensis</i>	2 to 6	9	16
Junglerice	<i>Echinochloa colona</i>	2 to 6	9	16
Lovegrass (Stinkgrass)	<i>Eragrostis cilianensis</i>	2 to 6	9	16
Rabbitsfootgrass	<i>Polypogon monspeliensis</i>	1 to 4	9	16
Red Rice	<i>Oryza sativa</i>	1 to 3	9	16
Rygrass				
Hardy	<i>Lolium remotum</i>	2 to 6	9	16
Italian	<i>Lolium multiflorum</i>	2 to 6	9	16
Seedling Johnsongrass	<i>Sorghum halepense</i>	4 to 10	9	16
Shattercane	<i>Sorghum bicolor</i>	6 to 18	9	16
Southwestern Cupgrass	<i>Eriochloa gracilis</i>	2 to 6	9	16
Sprangletop				
Amazon	<i>Leptochloa panicoides</i>	2 to 6	9	16
Bearded	<i>Leptochloa fascicularis</i>	2 to 6	9	16
Mexican	<i>Leptochloa uninervia</i>	2 to 6	9	16
Red	<i>Leptochloa filiformis</i>	2 to 6	9	16

continued

**USE DIRECTIONS FOR ANNUAL GRASSES**  
**ALL CROPS** (continued)

GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT* (inches)	APPLICATION RATES	
			MINIMUM RATE fl oz/A	MAXIMUM RATE <sup>(1)</sup> fl oz/A
Texas Panicum	<i>Panicum texanum</i>	2 to 6	9	16
Volunteer Cereals <sup>(3)</sup>				
Barley	<i>Hordeum vulgare</i>	2 to 6	9	16
Oats	<i>Avena sativa</i>	2 to 6	9	16
Rye	<i>Secale cereale</i>	2 to 6	9	16
Wheat <sup>(2)</sup>	<i>Triticum aestivum</i>	2 to 6	9 <sup>(2)</sup>	16
Volunteer Corn <sup>(2,3)</sup>	<i>Zea mays</i>	up to 12	6	12
Volunteer Corn <sup>(3)</sup>	<i>Zea mays</i>	up to 24	9	14
Volunteer Corn <sup>(2,3)</sup>	<i>Zea mays</i>	up to 36	12	16
Volunteer Grain	<i>Sorghum bicolor</i>	8 to 12	9	16
Sorghum				
Wild Oats	<i>Avena fatua</i>	2 to 6	9	16
Wild Proso Millet	<i>Panicum miliaceum</i>	2 to 10	9	16
Witchgrass	<i>Panicum capillare</i>	2 to 8	9	16
Woolly Cupgrass	<i>Eriochloa villosa</i>	2 to 8	9	16

\*Generally occurs between 3-leaf stage and tillering.

\*\*Length of lateral growth.

<sup>(1)</sup> Rates higher than 16 fl oz/A may be applied in certain geographic areas, cropping situations or environmental conditions, where experience has shown that higher rates are needed for satisfactory control of annual grasses. In these situations, rates from 16 to 32 fl oz/A may be applied.

**Restriction**

Do not apply more than 16 fl oz/A of V-10137 1 EC Herbicide per application to the following crops: berry low growing (except cranberry and strawberry), pome fruit, stevia (dried leaves) and stone fruit.

Do not apply more than 12 fl oz/A of V-10137 1 EC Herbicide per application to canola including rapeseed subgroup 20A (except flax seed, mustard seed and sesame seed).

<sup>(2)</sup> When a cereal grain crop (such as wheat) is interseeded for crop establishment or is planted as wind breaks to aid crop establishment, the minimum V-10137 1 EC Herbicide use rate for control is 12 fl oz/A.

<sup>(3)</sup> Includes Roundup Ready<sup>®</sup>, Liberty Link<sup>®</sup> and Clearfield<sup>®</sup> volunteer corn; however not Sethoxydim Resistant volunteer corn.



**DIRECTIONS FOR REDUCED RATE USE TO CONTROL SMALL ANNUAL GRASSES  
CANOLA INCLUDING RAPESEED SUBGROUP 20A  
(EXCEPT FLAX SEED, MUSTARD SEED AND SESAME SEED)  
(REDUCED RATE DIRECTIONS NOT FOR USE IN CALIFORNIA)**

- Apply only to actively growing grasses at recommended weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the recommended growth stage for treatment.
- Regrowth by tillering may occur if application is made when plants are stressed by lack of moisture, excessive moisture, low or high temperatures and/or under very low humidity.

GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT (inches)	RATE FL OZ/ ACRE <sup>(1)</sup>
Barnyardgrass	<i>Echinochloa crus-galli</i>	1 to 4	6
Broadleaf Signalgrass	<i>Brachiaria platyphylla</i>	1 to 4	8
Crabgrass			
Large	<i>Digitaria sanguinalis</i>	1 to 3*	6
Large	<i>Digitaria sanguinalis</i>	1 to 4*	8
Smooth	<i>Digitaria ischaemum</i>	1 to 3*	6
Smooth	<i>Digitaria ischaemum</i>	1 to 4*	8
Southern	<i>Digitaria ciliar</i>	1 to 4*	8
Fall Panicum	<i>Panicum dichotomiflorum</i>	1 to 4	6
Foxtail			
Giant	<i>Setaria faberi</i>	1 to 4	6
Green	<i>Setaria viridis</i>	1 to 4	6
Millet	<i>Setaria italica</i>	1 to 4	8
Yellow	<i>Setaria glauca</i>	1 to 4	6
Seedling Johnsongrass	<i>Sorghum halepense</i>	1 to 6	8
Shattercane	<i>Sorghum bicolor</i>	4 to 10	6
Texas Panicum	<i>Panicum texanum</i>	1 to 4	8
Volunteer Cereals			
Barley	<i>Hordeum vulgare</i>	1 to 4	8
Oats	<i>Avena sativa</i>	1 to 4	8
Wheat	<i>Triticum aestivum</i>	1 to 4	8
Volunteer Corn**	<i>Zea mays</i>	4 to 12	6
Wild Proso Millet	<i>Panicum miliaceum</i>	1 to 6	6
Wild Oats	<i>Avena fatua</i>	1 to 4	8

\*Length of lateral growth

\*\*Not S.R. Corn

<sup>(1)</sup>Always add a non-ionic surfactant at 0.25% v/v total spray volume unless crop specific restrictions and limitations advise otherwise.

**USE DIRECTIONS FOR PERENNIAL GRASSES  
(ALL CROPS)**

- Apply only to actively growing grasses at recommended weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the recommended growth stage for treatment.
- Use the high rate under heavy grass pressure and/or when grasses are at maximum height.

**Restrictions**

- Do not exceed the maximum per application rate listed in CROP SPECIFIC USE DIRECTIONS, RESTRICTIONS AND LIMITATIONS FOR V-10137 1 EC Herbicide.
- Do not exceed the maximum yearly rate listed in CROP SPECIFIC USE DIRECTIONS, RESTRICTIONS AND LIMITATIONS FOR V-10137 1 EC HERBICIDE.

GRASS SPECIES	WEED HEIGHT (inches)	APPLICATION RATE	
		MINIMUM RATE fl oz/A	MAXIMUM RATE fl oz/A
Bermudagrass ( <i>Cynodon dactylon</i> ) First Application	3 (or up to 6" runners)	12	32
Repeat Application(s) (if regrowth occurs)	3 (or up to 6" runners)	12	32
Fescue, Tall ( <i>Festuca arundinacea</i> ) First Application	4 to 8	12	32
Repeat Application(s) (if regrowth occurs)	4 to 8	12	32
Foxtail Barley ( <i>Hordeum jubatum</i> ) First Application	2 to 6	12	32
Repeat Application (if regrowth occurs)	2 to 6	12	32
Orchardgrass ( <i>Dactylis glomerata</i> ) First Application	4 to 8	12	32
Repeat Application(s) (if regrowth occurs)	4 to 8	12	32
Quackgrass ( <i>Elytrigia repens</i> ) First Application	4 to 12	12	32
Repeat Application(s) (if regrowth occurs)	4 to 12	12	32
Rhizome Johnsongrass ( <i>Sorghum halepense</i> ) First Application	12 to 24	12	32
Repeat Application(s) (if regrowth occurs)	6 to 18	9	24
Wirestem Muhly ( <i>Muhlenbergia frondosa</i> ) First Application	4 to 8	12	32
Repeat Application(s) (if regrowth occurs)	4 to 8	12	32
Perennial Bluegrass [Roughstalk ( <i>Poa trivialis</i> )] [Kentucky ( <i>Poa prantensis</i> )] First Application	2 to 4	12	32
Repeat Application(s)	2 to 4	12	32
Bentgrass ( <i>Agrostis</i> spp.) First Application	2 to 4	-	32
Repeat Application(s) (if regrowth occurs)	2 to 4	-	32

### TANK MIX - LABEL INFORMATION

The labels for each of the herbicides recommended for tank mixing with V-10137 1 EC Herbicide are unique to the characteristics of those products and contain restrictions and limitations that may be more restrictive than the V-10137 1 EC Herbicide label in certain considerations. Those concerns may include, but are not limited to:

1. **Always read and follow the restrictions and limitations for all products whether used alone or in a tank mix. The most restrictive labeling of any product used applies in tank mixtures, including all crop rotational and other crop restrictions.**
2. Geographic restrictions - all products are not registered for use in all areas and rates may vary from one region of labeled use to another;
3. Crop rotation restrictions;
4. Applicator certification requirements;
5. Worker safety rules (e.g. protective clothing, reentry time, posting);
6. Soil type or soil characteristics (e.g. pH, OM);
7. Maximum dosage or number of applications per year;
8. Rain free period required; or
9. Application timing (e.g. pre-harvest interval)
10. **Restriction:** Do not exceed the total yearly rates.

**THE MOST RESTRICTIVE LABELING OF ANY PRODUCT USED IN A TANK MIX MUST BE FOLLOWED.**

#### TANK MIX APPLICATION OF V-10137 1 EC HERBICIDE AND BROADLEAF HERBICIDES FOR CONTROL OF GRASSES AND BROADLEAF WEEDS

- Apply only to actively growing grass and broadleaf weeds at recommended height or growth stage listed on each label.
- Apply when the first grass or broadleaf weed species in a mixed population reaches the recommended height or growth stage for treatment.
- Apply under favorable soil moisture and humidity that exist a few days after rainfall or within seven days after irrigation.
- Always add the appropriate adjuvant to the spray mix at the rate recommended for each specific tank mix combination.
- Tank mix applications may sometimes result in reduced grass control and possible increases in crop injury as compared to either product used alone. If regrowth occurs, or an additional flush of new grass emerges, make a second application of V-10137 1 EC Herbicide, as specified in the respective size and rate tables.
- **Restriction:** Do not tank mix V-10137 1 EC Herbicide when broadleaf weeds are tall and/or dense enough to prevent proper grass coverage.

#### MIXING INSTRUCTIONS

1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water.
2. While agitating, add the correct amount of V-10137 1 EC Herbicide. Agitation should create a rippling or rolling action on the water surface.
3. If tank mixing V-10137 1 EC Herbicide with other labeled herbicides, add water soluble bags first, followed by dry formulations, flowables, emulsifiable concentrates and then solutions. Prepare no more spray mixture than is required for the immediate spray operation.
4. Add any required adjuvants (crop oil concentrate, non-ionic surfactant and/or nitrogen solution).
5. Fill spray tank to desired level with water. **Agitation should continue until all spray solution has been applied.**

Failure to agitate the spray solution may result in improper mixing of the herbicides and unsatisfactory weed control. Mixing and compatibility qualities should be verified by a jar test.

#### INFORMATION ON ANTAGONISM

Tank mixes of V-10137 1 EC Herbicide with postemergence broadleaf herbicides have shown some reduction or failure to control certain grass species which would have otherwise been controlled when V-10137 1 EC

Herbicide is applied alone. Activity of the postemergence broadleaf herbicide in the tank mix is not affected.

### USE DIRECTIONS FOR POME FRUIT AND STONE FRUIT

Apply V-10137 1 EC Herbicide postemergence to actively growing grasses according to rate table directions. Crop injury to pome fruit and stone fruit can occur if V-10137 1 EC Herbicide is improperly applied. V-10137 1 EC Herbicide should not be applied directly over the top of these plant types. Instead spray should be directed at the base of the plant where grassy weeds are growing near the ground.

**Restriction:** Do not apply V-10137 1 EC Herbicide to pome fruit or stone fruit grown for root stock.

Non-bearing fruit and nut crops are plants which will not bear fruit or nuts for at least one year following V-10137 1 EC Herbicide application.

### CANOLA (EXCEPT FLAX)

**[Rapeseed Subgroup 20A (except flax seed, mustard seed and sesame seed)]  
REDUCED RATE V-10137 1 EC HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES  
(Refer to the use directions tables above for specific grasses and growth stages.)**

PRODUCT	APPLICATION RATES/ACRE	ADJUVANT RECOMMENDATIONS	AMMONIUM SULFATE	
	ANNUAL GRASSES <sup>(1)</sup>		GROUND	AIR
V-10137 1 EC <sup>(2)</sup> Herbicide + Liberty <sup>®(3)</sup>	8 to 10 fl oz + Refer to label for use rate	NIS at 0.25% v/v	3 lb/A	3 lb/A
V-10137 1 EC <sup>(2)</sup> Herbicide + Stinger <sup>®(4)</sup>	8 to 10 fl oz + Refer to label for use rate	NIS at 0.25% v/v	3 lb/A	3 lb/A

<sup>(1)</sup> Annual grasses and sizes controlled with these tank mixtures are those that are identified in the DIRECTIONS FOR REDUCED RATE USE TO CONTROL SMALL ANNUAL GRASSES table.

<sup>(2)</sup> **Restriction:** Do not apply V-10137 1 EC Herbicide tank mix during or after bolting or flowering or crop injury will occur.

<sup>(3)</sup> For use only on Liberty Link Canola.

<sup>(4)</sup> See Stinger label for weeds controlled.

### TANK MIX APPLICATION OF V-10137 1 EC HERBICIDE AND INSECTICIDES FOR CONTROL OF GRASS WEEDS AND INSECTS IN SUNFLOWER

PRODUCT <sup>(1)</sup>	APPLICATION RATES/ACRE <sup>(2)</sup>		ADJUVANT RECOMMENDATION
	ANNUAL GRASSES	PERENNIAL GRASSES	
V-10137 1 EC Herbicide + Asana <sup>®</sup> XL	9 to 12 fl oz + Refer to Asana XL label for use rate	12 to 24 fl oz + Refer to Asana XL label for use rate	NIS at 0.25% v/v + AMS at 2.5 lb/A
V-10137 1 EC Herbicide + Warrior <sup>®</sup>	9 to 12 fl oz + Refer to Warrior label for use rate	12 to 24 fl oz + Refer to Warrior label for use rate	NIS at 0.25% v/v + AMS at 2.5 lb/A

<sup>(1)</sup> Refer to V-10137 1 EC Herbicide and insecticide label for rates and weeds and insects controlled.

<sup>(2)</sup> If grass regrowth occurs, or an additional flush of new grass emerges, make a second application of V-10137 1 EC Herbicide alone (without a tank mix insecticide) according to the appropriate size and rate prescribed.

**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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Stinger is a registered trademark of Dow AgroSciences LLC  
Warrior is a registered trademark of Syngenta

Manufactured for:

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

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