

# Supplemental Label



Valent U.S.A. Corporation  
P. O. Box 8025  
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## SELECT® 2 EC HERBICIDE EPA Reg. No. 59639-3

### FOR USE ON SUGAR BEETS

### TANK MIXES WITH STINGER, BETAMIX OR BETANEX, EMINENT, DIRECTIONS FOR MICRO-RATE APPLICATIONS

#### DIRECTIONS FOR USE

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

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

#### GENERAL RESTRICTIONS AND LIMITATIONS

Do not apply more than 32 fl. oz. of SELECT 2 EC (0.50 lb. ai) per acre per season. Application on Long Island, New York, is restricted to no more than 16 fl. oz. of SELECT 2 EC (0.25 lb. ai) per acre per season.

#### CROP SPECIFIC RESTRICTIONS AND LIMITATIONS FOR SELECT 2 EC

Crop	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(1)</sup>	Special Use Instructions
Sugar Beet	40 days	6 - 16 fl. oz.	1 qt. by ground or 1% v/v (but not less than 1 pt./A) by air <sup>(2)</sup>	Refer to container label for reduced rate recommendations for the control of small annual grasses  The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.

<sup>(1)</sup>Acceptable crop oil concentrates would be those which contain a minimum of 80% oils and 15% emulsifier. 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. See the Addition of Adjuvant and Crop Oil Concentrate section on container label for further information.

<sup>(2)</sup>1 to 2 qts./A of liquid fertilizer (10-34-0, 28%N or 32%N), or an equivalent amount (2.5 to 4.0 lbs./A) of spray grade ammonium sulfate (AMS) may be added to SELECT 2 EC applications, in addition to the recommended rate of crop oil concentrate.

#### SELECT 2 EC TANK MIXED WITH STINGER® APPLIED TO SUGAR BEET

(Refer to the recommendations on the container label for specific grasses and growth stages)

PRODUCT <sup>(1)</sup>	APPLICATION RATES/ACRE <sup>(2)</sup>		CROP OIL CONCENTRATE <sup>(3)</sup> (V/V)	
	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND	AIR
SELECT 2 EC + STINGER	6 to 8 fl. oz.	8 to 16 fl. oz.	1%	1%
See STINGER label for rates.				

<sup>(1)</sup>Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not recommended in these situations.

<sup>(2)</sup>If grass regrowth occurs or an additional flush of new grass emerges, make a second application of SELECT 2 EC alone (without a tank mix herbicide), according to the appropriate size and rate recommendations.

<sup>(3)</sup>Always use a crop oil concentrate at the listed rate (but not less than 1 pt./A) in the finished spray volume.

**SELECT 2 EC TANK MIXED WITH BETAMIX® or BETANEX® APPLIED TO SUGAR BEET**

PRODUCT <sup>(1)</sup>	WEEDS CONTROLLED		WEED HEIGHT (inches)	APPLICATION RATE/ACRE <sup>(2)</sup>
	COMMON NAME	SCIENTIFIC NAME		
SELECT 2 EC <sup>(3)</sup> + BETAMIX or BETANEX	Barnyardgrass	<i>Echinochloa crus-galli</i>	1 to 3	8 fl. oz.
	Foxtail	<i>Setaria</i> spp.	1 to 3	
	Foxtail Millet	<i>Setaria italica</i>	1 to 3	
Wild Oat	<i>Avena fatua</i>	1 to 3		
Wild Proso Millet	<i>Panicum miliaceum</i>	1 to 3		
			See BETAMIX label for rates to control broadleaf weeds. <b>No additives are recommended in the tank mix.</b>	
			See BETANEX label for rates to control broadleaf weeds. <b>No additives are recommended in the tank mix.</b>	

<sup>(1)</sup>Do not use crop oil concentrate. No additives are recommended in the tank mix. If grass regrowth occurs or an additional flush of new grass emerges, make a second application of SELECT 2 EC alone (without a tank mix herbicide), according to the appropriate size and rate recommendations.

<sup>(2)</sup>Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not recommended in these situations.

<sup>(3)</sup>If grass regrowth occurs or an additional flush of new grass emerges, make a second application of SELECT 2 EC at full label rate with appropriate rate of crop oil concentrate.

**SELECT 2 EC PLUS BETANEX OR BETAMIX TANK MIX FOR THREE SEQUENTIAL APPLICATIONS FOR ANNUAL GRASS CONTROL (MICRO-RATE APPLICATION)**

PRODUCT	APPLICATION RATES/ACRE <sup>(1)</sup>			
	ANNUAL GRASSES	GRASSES CONTROLLED (inches)	METHYLATED SEED OIL <sup>(2)</sup> (V/V)	
			GROUND	AIR
SELECT 2 EC + BETANEX or BETAMIX	2 to 3 fl. oz. + 8 to 12 fl. oz. <sup>(3)</sup> or 8 to 12 fl. oz. <sup>(3)</sup>	Green Foxtail (1-2) Yellow Foxtail (1-2) Barnyardgrass (1-2) Wild Oat (1-2) Volunteer Cereals (1-2)	1.5%	1.5%

<sup>(1)</sup>Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not recommended in these situations.

<sup>(2)</sup>Always use a methylated seed oil at the listed rate (but not less than 1 pt./A) in the finished spray volume.

<sup>(3)</sup>Use 8 fl. oz./A rate when sugar beet are in the cotyledon to 4 leaf stage. Rate can be increased up to 12 fl. oz./A when the smallest sugar beet plants in the field are in the 4 true leaf stage or larger.

**DIRECTIONS FOR USE FOR MICRO-RATE APPLICATIONS TO SUGAR BEETS**

**GENERAL INFORMATION**

Multiple micro-rate applications of SELECT 2 EC in tank mixtures with reduced rates of BETANEX or BETAMIX and methylated seed oils may be applied by air or ground equipment to sugar beets to control early germinating annual grasses listed above. The rate of BETANEX or BETAMIX must not exceed 0.12 lb. ai./A (broadcast application) when in combination with these spray adjuvants. Note that maximum rate allowed varies depending on crop growth stage. The use of wetting agents or spray adjuvants with conventional rates (0.73 to 1.22 lb. ai./A) or multiple low rate (0.24 to 0.73 lb. ai./A) applications of BETANEX or BETAMIX is prohibited on the BETANEX and BETAMIX container labels. Favorable climatic conditions (good conditions for plant growth and development) are essential for adequate weed control. All use precautions and restrictions on the BETANEX and BETAMIX container labels must be followed.

**DIRECTIONS FOR USING MICRO-RATE MULTIPLE APPLICATIONS OF SELECT 2 EC TANK MIXES**

Apply SELECT 2 EC in broadcast applications only at a rate of 2 to 3 fl. oz./A in tank mixture with either BETANEX or BETAMIX following the directions for use on the tank mix partner label. A minimum of three sequential applications of 2 fl. oz./A or a minimum of 2 sequential applications of 3 fl. oz./A should be utilized for SELECT 2 EC tank mixtures. A minimum of 3 sequential applications of BETAMIX or BETANEX should be used. Accurate timing is essential; make initial application immediately after weeds emerge, and make repeat applications on 5 to 7 day intervals. If weed control is not adequate due to climatic conditions, spray coverage or other factors, return to conventional application rates of SELECT 2 EC (6 to 8 fl. oz./A) and add rates of BETANEX or BETAMIX as directed on their label. When using conventional rates of BETANEX or BETAMIX in tank mixtures with SELECT 2 EC, a spray adjuvant is not recommended.

**USE PRECAUTIONS FOR MICRO-RATE APPLICATIONS: (SEE SELECT 2 EC, BETANEX AND BETAMIX ON THE CONTAINER LABELS FOR FURTHER USE PRECAUTIONS.)**

Not all weeds will be adequately controlled, even with favorable climatic conditions. Conventional rates of SELECT 2 EC, BETANEX or BETAMIX and/or hand labor may be required if multiple micro-rate applications do not adequately control weeds. Plugging of spray nozzles may be encountered due to the potential for formation of a precipitate in the spray solution that is often associated with micro-rate applications. Valent will not be responsible for any nozzle plugging that may occur with the use of multiple micro-rate applications. Methylated seed oils must not be added if the BETANEX or BETAMIX rate exceeds 0.12 lb. ai/A broadcast, as the addition of methylated seed oils could increase the possibility of crop injury at dosage rates greater than 0.12 lb. ai./A.

**GROUND APPLICATION**

Use of sufficient spray volumes and pressure is essential to ensure complete coverage. Use a minimum of 10 gals. and a maximum of 20 gals. of spray solution per acre. Spray pressures should reflect a minimum of 30 psi and a maximum of 60 psi at the nozzle. Do not use flood nozzles.

**AERIAL APPLICATION**

Use of sufficient spray volumes is essential to ensure complete coverage. Use a minimum of 5 gals. and a maximum of 15 gals. of spray solution per acre.

**TANK MIX APPLICATION OF SELECT 2 EC AND FUNGICIDES FOR CONTROL OF GRASS WEEDS AND DISEASES IN SUGAR BEET**

PRODUCT <sup>(1)</sup>	APPLICATION RATES/ACRE <sup>(2)</sup>		
	ANNUAL GRASSES	PERENNIAL GRASSES	CROP OIL CONCENTRATE <sup>(3)</sup> (V/V)
SELECT 2 EC + EMINENT®	6 to 8 fl. oz. + 13 fl. oz.	8 to 16 fl. oz. + 13 fl. oz.	1%

<sup>(1)</sup>Refer to SELECT 2 EC and fungicide label for rates and weeds and diseases controlled.

<sup>(2)</sup>If grass regrowth occurs, or an additional flush of new grass emerges, make a second application of SELECT 2 EC alone (without a tank mix fungicide) according to the appropriate size and rate recommendations.

<sup>(3)</sup>Always use a crop oil concentrate at the listed rate (but not less than 1 pt./A) in the finished spray volume.

**THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF APPLICATION. PLEASE REFER TO CONTAINER LABEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS. FOLLOW ALL APPLICATION DIRECTIONS, RESTRICTIONS, AND PRECAUTIONS ON THE EPA REGISTERED LABEL.**

**PLEASE CONTACT VALENT U.S.A. CORPORATION AT 1-800-6-VALENT(682-5368) TO DETERMINE IF THIS USE IS REGISTERED IN YOUR STATE.**

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SELECT® - Reg. TM of Valent U.S.A. Corporation  
STINGER® - Reg. TM of Dow AgroSciences LLC

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