



# TOPLINE®

It controls a wide spectrum of broadleaf weeds with excellent wild buckwheat, cleavers and chickweed control. It also gives you multiple modes of action in wheat, barley and oat crops.



## Active Ingredients:

Florasulam and MCPA

## Herbicide Groups:

Group 2 (Florasulam) and  
Group 4 (MCPA)

## Formulation:

Florasulam 50 g/L = SC and  
MCPA 2-ethylhexyl ester  
600 g a.e./L = EC

## Application Rates and Packaging:

1 x 1.6 L Florasulam 50 SC  
jug + 1 x 9.33 L MCPA 2-EH  
Ester 600 jug/case

40 ml/ac Florasulam 50 SC  
+ 230 ml/ac MCPA 2-EH  
Ester 600

One co-pack case  
treats 40 ac

## REGISTERED CROPS:

- Barley
- Oats
- Wheat  
(spring, durum)

## WEEDS CONTROLLED:

### 1 – 4 leaf stage:

- |                           |                    |                                 |
|---------------------------|--------------------|---------------------------------|
| • Ball mustard            | • Lamb's quarters  | • Stinkweed                     |
| • Burdock                 | • Redroot pigweed  | • Sunflower (annual)            |
| • Common chickweed        | • Russian pigweed  | • Volunteer canola <sup>2</sup> |
| • Cleavers                | • Prickly lettuce  | • Wild buckwheat                |
| • Cow cockle              | • Ragweed          | • Wild mustard                  |
| • Flixweed                | • Shepherd's purse |                                 |
| • Hempnettle <sup>1</sup> | • Smartweed        |                                 |

### Suppressed:

- |                               |                            |                             |
|-------------------------------|----------------------------|-----------------------------|
| • Annual sow thistle          | • Dandelion <sup>1,3</sup> | • Perennial sow thistle     |
| • Canada thistle <sup>1</sup> | • Plantain <sup>4</sup>    | • Stork's bill <sup>1</sup> |

<sup>1</sup> For heavy infestations, add 47 ml/ac of MCPA ester for improved control.

<sup>2</sup> Including all herbicide-resistant varieties.

<sup>3</sup> Seedlings and overwintered rosettes less than 6 inches.

<sup>4</sup> Top growth control only.

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## HOW IT WORKS:

The Group 2 herbicide inhibits the production of the ALS enzyme in plants. This enzyme is essential for the production of certain amino acids required for plant growth. The Group 4 herbicide disrupts normal plant growth, resulting in epinasty and death of susceptible plants.

## CROP STAGING:

Expanded 3-leaf up to the 6-leaf stage.

## RAINFASTNESS:

2 hours

## WATER VOLUME:

Ground: 40 L/ac

## REGISTERED AND SUPPORTED TANK MIXES:

### Wheat and barley:

- Assert®
- Axial®
- BRAZEN™ II

### Wheat only:

- Everest® 2.0
- LADDER ALL IN™
- Simplicity™

For tank mixes with registered pest control products, the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Buffer Zones must be followed for each product. In cases where these requirements differ between the tank-mix partner labels, the most restrictive label must be followed.

## MIXING INSTRUCTIONS:

1. After filling the spray tank ½ full with water, and with agitation running, add the required amount of Florasulam 50 SC, followed by the required amount of MCPA 2 EH Ester 600.
2. Fill tank with remaining water.

Note: Do not add a surfactant to this mixture.

## CROP ROTATIONS:

Wheat, barley, oats, canola and field peas may be grown the year following an application.

## PRE-HARVEST INTERVAL:

60 days

## STORAGE:

- Store in dry, heated area.
- If frozen, bring to room temperature and agitate before use.

## GRAZING RESTRICTIONS:

- Do not cut for feed or hay or allow lactating dairy animals to graze treated crops or within 7 days of application.
- Withdraw meat animals from treated feed 3 days prior to marketing.

## QUICK TIPS:

TOPLINE® is well suited to dark brown, black and grey soil zones where cleavers, hempnettle, wild buckwheat and volunteer canola are main concerns.

Strong on weeds susceptible to Group 2's (chickweed, hempnettle, redroot pigweed).



ADAMA

Always read and follow label directions.  
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