

**DANGER**  
Keep out of reach of children

# Liberty 200SL

**HERBICIDE**

**ACTIVE INGREDIENT:**

Contains 200 g/Litre glufosinate-ammonium in the form of a soluble concentrate

**A non-selective contact herbicide for the control of a wide ranges of broadleaf and grass weeds in orchard, vineyards and non-cropland areas.**

Registered pursuant to the ACVM Act 1997, No. P9973

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

Approved under the HSNO Act 1996, Approval Code: HSR100830.

See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.

**IN A TRANSPORT EMERGENCY: dial 111 for POLICE or FIRE**



## READ LABEL BEFORE USE

### DIRECTIONS FOR USE

#### MIXING

Add the required amount of **Liberty 200SL** to a partly filled spray tank with the agitation system operating. Complete filling the tank with water and apply, maintaining agitation.

Compatibility: **Liberty 200SL** is compatible with most commonly used residual herbicides.

### RECOMMENDATIONS FOR USE

| Use                                                                                                | Rate                                                                                                                                                         | Remarks                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Berryfruit -<br>Raspberries and<br>Brambles<br>Primocane<br>control                                | 500-750 mL/100 litres<br>applied through cone<br>nozzles in sufficient<br>water to ensure<br>complete<br>coverage of primocanes                              | Apply as a directed high volume spray to primocanes not exceeding 25cm in length. Avoid drift onto foliage of fruiting canes. Use the high rate on vigorously growing crops. The addition of a non- ionic wetter at label rates is recommended. "Knockdown" takes approximately 10 days. Do not apply to plants before the first primocanes for the season have reached 15 cm in height. Do not apply to plants under stress. |
| Orchard and<br>vineyard weed<br>control. Pipfruit,<br>kiwifruit, Stonefruit.<br>Grapes and Citrus. | Use a rate appropriate to<br>the weeds present. If<br>dilution rate is less than<br>1 litre/100 litres of water<br>add a non-ionic wetter at<br>label rates. | Apply in spring when the majority of the annual weeds have germinated. Residual herbicides may be applied in mixture for long-term weed control. Avoid contact with the foliage and immature bark of desirable plants.                                                                                                                                                                                                        |
| Stale seedbed<br>Preparation<br>particularly where<br>clover is a problem<br>weed                  | 3-5 litres/ha in 200-300<br>litres of water                                                                                                                  | Apply to seedling weeds and clover in sufficient water to ensure complete coverage. May be applied up to one day before crop emergence.                                                                                                                                                                                                                                                                                       |
| Non-crop land.<br>General weed<br>control.                                                         | 7.5-10 litres/ha in 300-<br>500 litres of water, or<br>100ml/10 litre knapsack.                                                                              | Apply in a drenching spray to the point of run-off. May be mixed with residual herbicides for long- term weed control.                                                                                                                                                                                                                                                                                                        |

**It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.**

**Withholding period:** 28 days for all crops.

### **Weed susceptibility:**

The lower rates indicated are appropriate when weeds are young, succulent and actively growing, or when the weed population is sparse and good coverage and penetration is possible. Use the higher rates when weeds are mature or the population is dense.

**Liberty 200SL** will not completely control mature weeds with well-developed tap roots or underground storage organs: some re-growth may occur following treatment.

### **Indicated Rate Range for Major Weeds**

#### **3-5 litres/ha**

Annual Poa, Asparagus seedlings, Beaked hawksbeard, Black nightshade, Calandrinia, Chickweed, Cleavers, Clover seedlings, Cornbind, Daisy, Dandelion, Mouse-ear chickweed, Musky storksbill, Redroot, Rough-stalked meadow grass, Scotch thistle, Sow thistle, Staggerweed, Summer grass, Spurrey, Stinking mayweed, Subterranean clover, Wild turnip, Willow weed, Wireweed.

#### **5-7.5 litres/ha**

Bristle grass, Bur medick, Catsear, Chewing's fescue, Clovers, Cut-leaved geranium, Docks, Fleabane, Parsley piert, Prairie grass, Ryegrasses\*, Sheep's sorrel, Storksbill, Strawberry, Twin cress, Yorkshire fog.

#### **7.5-10 litres/ha**

Broom, Buttercups\*, Couch, Field pansy, Crowfoot grass, Gorse, Hawksbeard, Kikuyu grass, Mallows, Paspalum, Tall fescue, Wild strawberry, Willow herb, Yarrow.

#### **10 litres/ha**

Bracken, Indian doab, Meadow rice grass, Plantains, Rape, Rushes, and Sedges.

#### **\* Resistant Weeds:**

Hairy buttercups, some Ryegrass strains.

### **Additional Information**

**Liberty 200SL** is absorbed into the foliage and green stems of actively growing plants. It is inactive in soil and is not translocated as an active herbicide, so thorough coverage of target weeds is essential for good results.

Visual effects of treatment will become evident more rapidly under ideal growing conditions, generally within 3-10 days. Rainfall within 2 hours of application may wash **Liberty 200SL** off the foliage, and within 6 hours will reduce effectiveness to the degree that re-treatment may be necessary.

Do not spray in temperatures below 10°C. Avoid contact on green parts (including immature bark) of desirable plants, as damage may occur. Do not mow or cultivate after treatment until weeds start to die off.

## RESISTANCE MANAGEMENT

|       |    |           |
|-------|----|-----------|
| GROUP | 10 | HERBICIDE |
|-------|----|-----------|

**Liberty 200SL** is a phosphonic acid herbicide that inhibits glutamine. Some naturally occurring individual weeds may become resistant when excessive use of the same herbicide occurs. To maximize the effectiveness of herbicides, products containing alternate modes of action should be used in the spray program. Consult <http://resistance.nzpps.org/> for alternate modes of action and the details of resistance management strategies (if any) for the crops listed on the label.

## CONDITIONS OF SUPPLY

### READ THESE CONDITIONS OF SUPPLY BEFORE BUYING AND USING.

### IF THESE CONDITIONS ARE UNACCEPTABLE, RETURN AT ONCE UNOPENED.

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