SERENE



SERENE HERBICIDE

Serene® herbicide contains 20% acetic acid as its active ingredient, a naturally occurring organic acid that provides post-emergent, foliar contact control of weeds and unwanted vegetation. Serene is a non-selective herbicide that works by rapidly damaging plant tissues on contact, resulting in the desiccation of green plant growth. It is designed for vegetation management around established perennial crops and is non-residual in soil, meaning it breaks down after contact and does not provide long-term soil activity. It is also certified for organic production and contains an organic surfactant to enhance performance.

For horticultural crops, Serene offers several important benefits, including effective control of emerged weeds while leaving no harmful soil residues, allowing growers to use it in orchards, vineyards, berry crops, vegetable crops, and ornamental production systems. It can be applied as often as required according to label directions, is rainfast within approximately one hour, and is most effective under warm growing conditions. Its non-residual nature helps reduce weed competition for moisture, nutrients, and sunlight without impacting future crop growth, making it a useful tool for integrated and organic weed management programs.

Active Ingredient:

Acetic Acid 20%

Key Crops:

Apples, grapes, cranberries, ornamentals

Key Targets:

Ragweed, chickweed, lamb's quarters, black medic, seedling canada fleabane

HRAC Group:

Group 0

Packaging Size:

10L, 200L

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FEATURES & BENEFITS

- Can be used as often as required
- Leaves no residue – breaks down on contact with soil
- Contains organic surfactant
- Most effective in warm temperatures - above 20° C
- Safe for use around land animals
- Easy to use – easy to store
- Certified organic

SERENE APPLICATION RECOMMENDATIONS

Serene in Solution	Litres / m^2	Litres / ha
Serene Full Strength	5 litres/69.7 m^2	717.5 litres/ha
Serene 1:2.25 Dilution (Serene:Water)	1.53 litres/69.7 m^2	219.5 litres/ha
Serene1:3.0 Dilution (Serene:water)	1.25 litres/69.7 m^2	179 litres/ha

Serene offers control of annual weeds including Ragweed, Chickweed, Lamb'squarters, Black Medic, and seedling Canada fleabane. Perennial weeds controlled include Dandelion, Plantain species, Clover species, Wild Carrot, Toadflax, Quack Grass, Tuted Vetch, Hawkweed species, Curled Dock, Canada thistle, Kentucky bluegrass, and Sedges. Apply Serene as a uniform band or as a spot application directed at weeds on the ground between the trunks or vines. Serene is not intended for broader applications outside of these areas such as drive rows. Avoid direct or indirect spray contact to the crop foliage.

FOR APPLES - do not apply to trees established less than one year. Do not apply when plants are under stress. Do not apply after budbreak unless using hooded or shielded application equipment and applicator can ensure spray drift will not come in contact with fruit or foliage.

FOR GRAPES - do not apply to vines established less than two years. Do not apply to grapes that are not trellised or staked unless they are free standing. Do not apply during the period after budbreak through final harvest, unless using shielded application equipment and applicator can ensure spray drift will not come into contact with fruit or foliage.

FOR CRANBERRIES - for suppression only of sedges, spray on weed at rates of 2 – 6% or applied in soil injection at the rates of 6 – 12% (v/v) of active ingredient. Do not apply directly to cranberry. Retreatment is required for regrowth of weeds.

FOR EARLY SEASON ANNUAL WEED CONTROL, when weeds are small (35 leaf) and actively growing; mix a spray solution consisting of 1 L of product for each 3 L of water. Ensure adequate mixing. Spray unwanted vegetation to the point of wetness.

SPOT TREATMENT APPLICATION: Use a single nozzle or handgun applicator to direct the spray and thoroughly wet undesirable foliage.

FOR CONTROL OF LARGER ANNUAL WEEDS AND TOP GROWTH REDUCTION (suppression) of perennial weed growth. Mix a spray solution consisting of 1L of product for each 2.25 L of water. Use an application system, solution volume and adequate spray pressure to ensure complete coverage of unwanted vegetation. Best results with larger weeds will be achieved by spot treatment. Retreatment is required for regrowth of perennial weeds.

FOR CONTROL OF SEEDLING CANADA FLEABANE, LARGER, ESTABLISHED ANNUAL WEEDS, AND TOP GROWTH REDUCTION (SUPPRESSION) OF ESTABLISHED PERENNIAL WEEDS: Use full strength (undiluted) with adequate spray pressure to ensure complete coverage of unwanted vegetation. Best results with larger weeds will be achieved by spot treatment. Retreatment is required for regrowth of perennial weeds.

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