

**DIRECTIONS FOR USE: BEWARE: APPLY THIS PRODUCT CAREFULLY. SPRAY DRIFT MAY CAUSE SERIOUS DAMAGE TO OTHER DESIRABLE PLANTS. Restraints: Do NOT apply to very wet soils if rain is imminent or to soils prone to water logging. Do NOT apply to crops or weeds under stress caused by factors such as root or foliar diseases, nutrient deficiencies, or extremes of temperature or moisture.**

CROP	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
Clover seed crops	Chickweed, cleavers, hedge mustard	300-400 ml per ha plus a non-ionic surfactant at 200 ml/100L	Apply when the crop is at the 2 trifoliolate leaf stage or later. Apply to actively growing weeds in the cotyledon to 4-leaf stage.
	Annual poa, black nightshade, catsear, catchfly, dandelion, dock, dove's foot, fathen, fennel, field madder, fumitory, groundsel, hawksbeard, henbit, large flowered mallow, mouse-ear chickweed, parsley piert, rayless chamomile, scentless chamomile, scrambling speedwell, shepherd's purse, sorrel, spurrey, storksbill, twin cross, willow weed and wireweed	400 ml per ha plus a non-ionic surfactant at 200 ml/100L	Weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded and will not compete with the crop. Good crop growth will aid weed control.  For grass weeds, a follow-up spray with a selective grass herbicide may be required.  Refer to the CROP SAFETY and FOLLOW CROP sections of this label regarding follow crops.
Lucerne	As listed under clover.	400 ml per ha plus HASTEN™ at 500ml/100L or a non-ionic surfactant at 200 ml/100L.	<b>Seeding:</b> Apply when the crop is at the 2 trifoliolate leaf stage or later. <b>Established:</b> Apply following cutting or grazing. Apply to actively growing weeds in the cotyledon to 4-leaf stage. Note CRITICAL COMMENTS applying to weed control in clover above. Refer to the CROP SAFETY and FOLLOW CROP sections regarding follow crops.

**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:** Do not graze or cut for stock food for 42 days after application.

**Mixing:** EQUATE mixes readily with both hard and soft water. Fill the spray tank to one half to three quarters full with clean water and then, with the agitation system operating, add the required amount of product and fill the tank up. When tank mixing with other recommended compatible products, first add the other product to the half-full spray tank and mix thoroughly before adding more water and then EQUATE.

**Application:** Avoid overlaps when spraying. Apply in 200-300 L/ha water using flat fan nozzles. The product may be applied in a band over the row in row crops. This will assist in minimizing soil residue carry-over. Do NOT apply EQUATE under conditions (e.g. dead calm, excessive wind and/or small droplets) likely to cause spray drift onto wetlands or waterways, natural vegetation, crops other than specified on the label or land to be planted with susceptible crops. Thoroughly flush all spray equipment with water following use of EQUATE and before use with other products. Rinse water should NOT be discharged where it will reach streams, water bodies or natural vegetation.

**Adjuvants:** An adjuvant must be used with EQUATE. Use HASTEN esterified seed oil at 500 ml/100L water. Alternatively a non-ionic surfactant may be used at 200 ml/100L water.

**Compatibility:** Do NOT tank mix with selective post-emergence grass herbicides. Do NOT apply these herbicides following use of EQUATE until the grass weeds have resumed active growth.

**Rainfall:** EQUATE is rainfall within 2 hours.

**Crop Safety:** This product may cause slight shortening of plant internodes and may in some circumstances lead to transient crop yellowing but plants soon recover and yield is unaffected. This effect may be more pronounced when the product is used under poor growth conditions. Do NOT use EQUATE pre-emergence on seedling clover or lucerne. Should re-sowing of clover or lucerne be necessary, do NOT reapply EQUATE.

**Follow Crops:** Under conditions that do not favour the breakdown of this product, e.g. prolonged dry conditions, carry-over soil residues can affect susceptible follow crops. As environmental and agronomic factors make it impossible to eliminate all risks associated with the use of this product, rotational crop injury is always possible. Do NOT use EQUATE in areas where rainfall from the time of spraying to the sowing of cereals is expected to be below 300 mm.

The following minimum follow crop intervals (months after application) should be observed:

MONTHS AFTER APPLICATION			
6	9	18	24
Beans, Clover, Lucerne, Peas, Wheat	Barley, Maize, Ryegrass	Brassica, Oats, Sorghum, Sweetcorn	All other crops



**UN3082. CLASS 9, PG III. ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IMAZETHAPYR).** Do not carry this product on a passenger service vehicle.

**DANGER**  
KEEP OUT OF REACH OF CHILDREN

**Equate**®

Selective herbicide for use in new and established clover and lucerne crops.

Active Ingredient: Contains 240g/litre imazethapyr as the ammonium salt in the form of a soluble concentrate.

GROUP **B** HERBICIDE

Registered pursuant to the ACVM Act 1997 No. P7637  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

In a transport emergency dial 111, Police or Fire Brigade.  
For specialist advice in an emergency only call:  
0800 734 607 (24 hours).



Net Contents: 1 Litre



**READ LABEL BEFORE USE**



HSNO Classifications: 6.3B, 6.4A, 6.9A, 9.1A  
Approved under the HSNO Act 1996, HSR007939.  
See [www.epa.govt.nz](http://www.epa.govt.nz) for controls.  
Qualified Person/Contractor: Required.

**DANGER:** Causes mild skin irritation. Causes serious eye irritation. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life.

**SAFETY DIRECTIONS:** Keep out of reach of children. Read label before use. Do not breathe fumes, vapours and spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Do not apply directly into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Wear protective clothing. Collect Spillage.

**STORAGE:** Store locked up in the original, unopened container in a cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs. As a Class 9 Substance with Ecotoxicity Classifications, storage must be carried out in such a manner as to prevent contamination of waterways. It is recommended that The New Zealand Standard for the Management of Agrichemicals (NZS8409) is followed. See Safety Data Sheet for further information.

**DISPOSAL OF CONTAINER:** Triple rinse container and add residue to spray tank. Return clean, empty container to an AgRecovery site for disposal. Avoid contamination of any water supply with chemical or empty container.



**FIRST AID:** If medical advice is needed, have product container or label at hand. Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**SPILLS:** Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely (such as to a suitable landfill).

**Batch No. and Manufacturing Date:** See on packaging

**Registered to and Distributed by:** Adria New Zealand Limited.  
P.O. Box 535, 407 State Highway 16 Kumeu, Auckland. Ph: 09 412 9817. [www.adria.nz](http://www.adria.nz)



**Notice to Buyer:** Careful tests have proved that the product is suitable for the recommended purposes when used in accordance with our instructions. However, since storage and use of product are beyond our control, we do not therefore accept any liability for damage or loss of efficacy which may result from the use of this product, whether used in accordance with the directions or not. We are liable for a consistent quality of the product, but the risk of its storage and use is not borne by us.

EQUATE herbicide can be used pre or post-emergence on weeds. When applied pre-emergence, susceptible weeds may emerge but growth will be retarded and the weeds will either die or remain stunted and will not compete with the crop. Adequate soil moisture is important for optimum activity. When applied post-emergence of the weeds, they will either die or remain stunted and will not compete with the crop. For use post-emergence of the weeds, a non-ionic surfactant or adjuvant oil must be added to EQUATE.

**MODE OF ACTION:** EQUATE is a member of the imidazolinone group of herbicides – a GROUP B herbicide. It acts by inhibiting the enzyme acetolactate synthase in plants (ALS inhibitor). EQUATE is readily absorbed by the roots and foliage of plants and is translocated to the growing points where it accumulates. Following pre-emergence application some susceptible weeds may germinate and emerge from the treated soil and persist as stunted plants before they die. The normal growth rate stops or slows down at the cotyledon stage in broadleaf weeds and before the 2 leaf stage in grasses. At this point, sensitive weeds are no longer competitive with the crop.

Depending upon the weed species and the environmental conditions, signs of herbicidal activity may not appear for several days after spraying and complete death may take several weeks.

**RESISTANCE MANAGEMENT:** Some naturally occurring weed biotypes may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if EQUATE or related ALS herbicides are used repeatedly. These weeds will not be controlled by EQUATE or other ALS mode of action herbicides. Since the existence of resistant weeds is difficult to detect prior to use, ADRIA New Zealand Limited accepts no liability for any losses that may result from the failure of EQUATE to control resistant weeds.