

**orion** AGRISCIENCE



**WARNING**  
KEEP OUT OF REACH OF CHILDREN



**Ace**<sup>TM</sup>  
840  
**HERBICIDE**

For the selective pre-emergence control of annual grasses and many broadleaf weeds in **GRAIN** and **SILAGE MAIZE** and **SWEETCORN**



**Active Ingredient:**  
840 g/litre acetochlor in the form of an emulsifiable concentrate



**20 Litres**



## READ LABEL BEFORE USE

### WARNING

#### KEEP OUT OF REACH OF CHILDREN

**HAZARD CLASSIFICATIONS:** Acute Oral Toxicity (Cat. 4), Acute Inhalation Toxicity (Cat. 4), Skin Irritation (Cat. 2), Eye Irritation (Cat. 2), Skin Sensitisation (Cat. 1), Specific Target Organ Toxicity Repeat Exposure (Cat. 2), Hazardous to the Aquatic Environment Acute (Cat. 1), Hazardous to the Aquatic Environment Chronic (Cat. 1), Hazardous to Soil Organisms, Hazardous to Terrestrial Vertebrates

### WARNING

Harmful if swallowed. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Very toxic to some plant species (selective herbicide). Harmful to terrestrial vertebrates.

### PRECAUTIONS

Read carefully and follow all instructions. Avoid contact with eyes and skin. Do not breathe in the vapour or spray mist. Use only outdoors or in a well ventilated area. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace.

### STORAGE

Store in the original container. Keep container tightly closed. When store inappropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of product that is older than this.

### PROTECTIVE EQUIPMENT

When mixing, loading or applying, wear overalls, boots, gloves and eye protection. Wear respiratory protection if vapour or spray mist could be inhaled.

### USE

Apply with well maintained and calibrated spray equipment. Application must be by a qualified loader, contractor or person.

### DISPOSAL

Dispose of this product by using it in accordance with this label. Dispose of the container via AgRecovery after triple rinsing (use the rinsate for spraying). Do not burn. Do not use the container for any other purpose.

### ENVIRONMENTAL

Take all reasonable steps to ensure that this product does not cause any significant adverse effects to the environment beyond the application area. Do not apply directly into or onto water. Collect spillage.

### FIRST AID

If medical advice is needed, have product container or label at hand.

**IF SWALLOWED:** Rinse mouth. Get medical help.

**IF ON SKIN:** Wash with plenty of water. If skin irritation or rash occurs get medical help.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical help.

**IF INHALED:** Move person to fresh air and keep comfortable for breathing. Get medical help. Get medical help if you feel unwell. For advice, call the Poisons Centre on **0800 POISON (0800 764 766)** or a Doctor.

### EMERGENCY RESPONSE

In an emergency call **111, Police or Fire Brigade**. For specialist advice in an emergency only, call **0800 CHEMICAL (0800 243 6225)** (24 hrs).

### SAFETY DATA SHEET

Additional information is provided in the safety data sheet. Freephone **0800 ORIONAS (0800 674 6627)** or visit [www.orionagriscience.co.nz](http://www.orionagriscience.co.nz)

### GENERAL INFORMATION

Ace 840 is a selective pre-emergence herbicide for the control of annual grasses and many broadleaf weeds in grain and silage maize and sweetcorn. Ace 840 is absorbed by the shoots and roots of weeds and kills them as they germinate.

Ace 840 has been specifically formulated for New Zealand conditions of temperate climate and high organic content soils. **Ace 840 should not be used in climatic conditions characterised by long, cold wet periods, or in soils of very low organic content, as crop damage may occur.**

**Weeds controlled:** Commonly occurring annual grass weeds including; summer grass, barnyard grass, bristle grass, green bristle grass, rough bristle grass, seedling Johnson grass, smooth witch grass, witch grass. Broadleaf weeds include; amaranthus spp, black nightshade, chickweed, redroot, Scotch thistle, seedling dock, Shepherd's purse, stinking mayweed, twin cress. **The following weeds are only moderately susceptible:** Cornbind, fathen, field pansy, fumitory, spurrey, wild radish, willow weed, wireweed.

### DIRECTIONS FOR USE

**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.**

### GRAIN AND SILAGE MAIZE AND SWEETCORN

**Rate and Timing of Application:** 2.5–3 litres in at least 200 litres of water per hectare to a freshly prepared seedbed immediately after planting and before crop emergence. Use the higher rate in clay soils and those with higher organic matter. If desired, Atraflo (atrazine) may be added to the tank mix to improve the spectrum of activity. Alternatively, Atraflo or Bandit (dicamba) may be applied as follow-up post emergence treatment.

### MIXING

To ensure mixing pour the correct amount into the partly filled tank and add the remainder of the water while agitating. Agitate thoroughly before and during spraying and before spraying after a stoppage.

### COMPATIBILITY

Compatible with Atraflo.

### SOIL CONDITIONS/RAINFALL

Best results will be obtained when application is made to a freshly prepared, fine, moist soil, free of trash, with at least 10 mm of rain within 1 week of application. Under drier soil conditions, 30 mm of rain within 2–3 weeks is necessary. Application by pre-plant incorporation may be beneficial under very dry conditions.

### SOIL RESIDUES

Under normal use, soil residues should not carry over to successive crops. In a replant situation when the previous Ace 840 treated crop may have failed for whatever reason, contact your Orion Crop Protection representative or merchant for advice before replanting. If establishing pasture in peat soils, cultivate soil before sowing if Ace 840 has been applied to the previous crop.

### RE-ENTRY PERIOD

When fully dry.

### WITHHOLDING PERIODS

Not required when used as directed.

### RESISTANCE MANAGEMENT

**GROUP 15 HERBICIDE**

Ace contains acetochlor, belonging to the alpha-chloroacetamides chemical family. Resistance to this and other chloroacetamide or oxyacetamide herbicides could develop from excessive use. To minimise this risk, use strictly in accordance with label instructions and rotate use with herbicides with a different mode of action. Consult <http://resistance.nzpps.org/index.php> for alternative modes of action and details of resistance management strategies (if any) for the crops listed on this label.

### WARRANTY

This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

Registered pursuant to the ACVM Act 1997, No. P7218

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

Approved pursuant to the HSN0 Act 1996, No. HSR000404

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

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Batch No:

Date of manufacture:

UN 3082

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

LIQUID, N.O.S. (ACETOCHLOR 84%)

HAZARD CLASS 9

PACKING GROUP III

HAZCHEM CODE 3Z

**orion**  
AGRICIENCE

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ACE 840