

CAUTION

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Gulf Ag

ClearUp Bio 360 Herbicide

Active Constituents: 360 g/L GLYPHOSATE (present as the isopropylamine salt)

A non-selective herbicide for the control of annual, aquatic, perennial and woody weeds in the home garden and other situations.

GROUP	M	HERBICIDE
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APVMA Approval No: 54904/1001

Pack Sizes: 1L, 5L, 20L, 110L, 200L, 1000L

PRODUCT INFORMATION

ClearUp Bio 360 is a non-volatile, water soluble liquid product with non-selective herbicidal activity against many annual and perennial broadleaf weeds and grasses.

ClearUp Bio 360 may be used for weed control in agricultural land prior to sowing any edible or non-edible crop, but not prior to transplanting tomato seedlings.

ClearUp Bio 360 is absorbed by plant foliage and green stems. It is inactivated immediately in the soil and does not provide residual weed control.

ClearUp Bio 360 moves through the plant from the point of contact to and into the root system. Visible effects are gradual yellowing, and wilting of the plant, which advances to complete browning of above ground growth and deterioration of underground plant parts. Delay application until vegetation has emerged to the stages described in the Weeds Controlled tables. Unemerged parts arising from unattached underground rhizomes or rootstocks of perennials will not be affected by spray and will continue to grow. For this reason, best control of most perennial weeds is obtained at late growth stages approaching maturity.

RESISTANT WEEDS WARNING

ClearUp Bio 360 Herbicide is a member of the Glycines group of herbicides. ClearUp Bio 360 has the inhibition of EPSP synthase mode of action. For weed resistance management, ClearUp Bio 360 is a Group M herbicide. Some naturally occurring weed biotypes resistant to ClearUp Bio 360 and other Group M herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by ClearUp Bio 360 or other Group M herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Gulf Ag Pty Ltd accepts no liability for any losses that may result from the failure of ClearUp Bio 360 to control resistant weeds.

MIXING

ClearUp Bio 360 mixes readily with water. Reduced results may occur if water containing soil is used, eg. water from ponds and unlined ditches, or if hard water containing calcium soils is used. Ensure the spray tank is free of any residue of previous spray materials. Use spray solutions promptly and certainly within 5 days, since a gradual loss of activity will occur.

Fill the spray tank with one half the required amount of clean water and add the proper amount of CG. Mix well before adding the remaining portion of water. Placing the filling hose below the surface of the spray solution will prevent excessive foaming. Removing the hose from tank immediately after filling will prevent back siphoning into water source.

DO NOT USE mechanical agitators as these may cause excessive foaming.

DO NOT mix, store or apply this product or spray solutions of this product in galvanized steel or unlined steel containers or spray tanks, since a highly flammable gas mixture may be found. Use stainless steel, aluminium, brass, copper, fibreglass, plastic or plastic lined containers or spray tanks. Spray tanks, pumps, lines and nozzles should be thoroughly rinsed with clean water following application to prevent corrosion.

TANK MIXTURES/COMPATIBILITY

ClearUp Bio 360 may be tank-mixed with the following herbicides, insecticides and additives. Read and follow all label directions, restraints, plant-back periods, withholding periods, regional use restrictions and safety directions for the tank-mix products.

MIXING INSTRUCTIONS FOR ALL TANK MIXTURES

1. Fill the spray tank 1/3 to 1/2 full with clean water and start agitation.
2. Where crystalline ammonium sulphate is recommended, wash 2.2% w/v (2kg/100L spray solution) through a top mesh screen into the tank and mix thoroughly.

3. Add recommended herbicide/insecticide/additive to the spray tank and mix thoroughly.
4. Add Glyphosate 360 and the remaining water. Mix thoroughly.
5. Add surfactant, if required, near the end of the filling process to minimise foaming.
6. Always maintain adequate agitation during application and use the tank mix promptly.

TANK MIXTURES - HERBICIDES

Atrazine Flowable* (DO NOT apply the tank mix for Barnyard grass control), 2,4-D ester, dicamba, chlorsulfuron, simazine flowable*, sulfometuron methyl, oryzalin/trifluralin, pendimethalin, metsulfuron methyl, triasulfuron, LVE MCPA and oxyfluorfen.

The addition of oxyfluorfen at 75mL/ha to recommended rates of ClearUp Bio 360 prior to planting wheat or barley will improve knockdown and increase the speed at which treated weeds develop visible signs of phytotoxicity. *Add crystalline ammonium sulphate as per directions below.

TANK MIXTURES – ADDITIVES

Crystalline Ammonium Sulphate. RATE: 2% w/v (2kg/100L spray solutions). DO NOT apply the mix for Barnyard grass control.

The addition of crystalline ammonium sulphate to ClearUp Bio 360, when used to control ANNUAL weeds, MAY improve the performance of ClearUp Bio 360 under adverse environmental conditions such as cool, cloudy weather and assist in minimising the antagonism in tank mixes of ClearUp Bio 360 and flowable triazine herbicides.

Use only crystalline ammonium sulphate, NOT prilled or granulated forms. To test quality, dissolve 2 tablespoons in 2 litres of water. Swirl gently for 2 minutes. If undissolved particles remain, it is advisable to predissolve prior to adding to spray tank through a screen.

Ammonium sulphate may be corrosive to metal parts of the sprayer. Thoroughly flush tanks, pumps and nozzles with water after use.

PENATRA ORGANOSILICONE SURFACTANT

RATE: 200mL/100L spray solution

Add when treating Bracken (boom application), Gorse, Eucalypt suckers and Lantana

GRASS-WETT WETTER

RATE: 200mL/100L spray solution

Add when treating Annual ryegrass in spring (from beginning August to end October). RSP Wetter is not a general purpose surfactant and should be used only where recommended.

TANK MIXTURES - INSECTICIDES

This product is compatible with the following insecticides:

Phosmet, omethoate, chlorpyrifos, fenitrothion ULV and emulsifiable concentrates of dimethoate and fenitrothion.

Other insecticides have not been tested.

ClearUp Bio 360 is a non-selective translocated herbicide. Direct spray contact, or even slight drift, may cause severe injury or destruction of any

growing crop or other desirable plants including trees. Clean all equipment after use by thoroughly washing with water.

BOOM EQUIPMENT

Use recommended rates of ClearUp Bio 360 in 25 to 100 litres of clean water per hectare.

When using ClearUp Bio 360 at 500mL-1.5L/ha spray volumes in the range of 25-100L/ha are preferred. Fan nozzle equipment is recommended, using pressures in the range of 240 - 280 KPa. Boom height must be set to ensure double overlap of nozzle patterns at the top of the weed canopy.

HIGH VOLUME APPLICATION

(eg. Knapsack/handgun Equipment)

The dilution rate is given as vol/1 litre eg. 10mL

ClearUp Bio 360 per litre of water. This is equal to 150mL of ClearUp Bio 360 per 15 litres of water or 1 litre per 100 litres of water.

Adjust equipment to achieve an even spray pattern. Apply to ensure a complete and uniform wetting of all foliage. For handgun equipment, a D6 spray tip (Spraying Systems Australia P/L) or equivalent and an operating pressure of 400-700 kPa are recommended.

LOW VOLUME APPLICATION

(eg. Gas Gun or Splatter Gun)

Apply as an even spray to cover all foliage.

Refer to Weeds Controlled for the dilution and volume of mixture to be applied. The dilution is specified as "Low volume mixture, ClearUp Bio 360: water". For example, a 1:9 mixture equals one part ClearUp Bio 360 plus 9 parts water.

WIPER EQUIPMENT

Wiper Equipment (eg. ropewick, canvas, felt or carpet applicators) may be used to apply ClearUp Bio 360 on to weeds growing in oilseed crops, sugarcane, cotton, seed and pod vegetables, tree and vine crops specified in this label, pasture and non-crop areas. Avoid contact with desirable vegetation.

Operate wiper equipment a minimum of 10cm above crop or pasture. Weeds should be at least 15cm above the crop or pasture at time of application. Speed of travel should be no greater than 8km/h. Best results are achieved at lower speeds and where two applications are made in opposite directions (double pass).

Where weeds are of variable height, or occur in dense infestations or clumps, some plants may not be contacted by the herbicide solution. In these cases repeat treatment may be necessary.

Mix only enough herbicide solution for immediate requirements. Do not store mixed solution for more than a few days. Flush out equipment with water after use.

RATE: Mix 1 litre ClearUp Bio 360 with 2 litres of clean water to prepare a 33% solution. ClearUp Bio 360 may be used according to the above directions for suppression or control of many annual and perennial weeds. See Weeds Controlled tables for specific use recommendations.

APPLICATION

Controlled Droplet Application Equipment (CDA)
Use the following table as a guide for achieving the correct application rates using the Micron 10 Herbi or similar equipment. See Weeds Controlled tables for specific rates and use recommendations. For hand held equipment a walking speed of approximately 1m/sec (4km/h) is recommended. Do not add oils to ClearUp Bio 360/water mixture, otherwise difficulty in application and reduced weed control may occur.

CAUTION: CDA equipment produces a fine spray pattern which is not easily visible. Ensure spray pattern or drift does not contact foliage or any other green tissue of desirable plants, since severe injury or destruction may result.

Rate of ClearUp Bio 360 delivered at 1m/sec	3L/ha	6L/ha	9L/ha
Mixture (by volume) ClearUp Bio 360: Water	1:3	1:1	2:1
Micron Herbi, nozzle	Blue	White	White

Aerial Equipment

Aerial equipment may be used to apply ClearUp Bio 360 only in pasture or fallow situations prior to establishment of field crops, fodder crops, or new pasture, and for pre-harvest application to sorghum and cotton crops. DO NOT use in intensive horticultural cropping areas. Use recommended rates of Glyphosate specified in this label up to a maximum of 4L/ha. For Micronair and boom equipment, apply in a minimum spray volume of 20L/ha. Droplet with an average size (for VMD) of 250-350 micron diameter are recommended. Swath width should be 15-17m. Thoroughly wash aircraft particularly landing gear after spraying to remove herbicide residues.

GENERAL APPLICATION INFORMATION

The addition of a non-ionic surfactant is recommended at a rate of 100mL of a 600g/L product (or equivalent) per 100L spray solution. DO NOT treat weeds under poor growing or dormant conditions (such as occur in drought, waterlogging, disease, insect damage or following frosts) as reduced weed control may result. Reduced efficacy may also occur when treating weeds heavily covered with dust or silt. DO NOT add additional surfactant, or mix with any other agricultural chemicals, herbicide oils, or other materials except as specifically directed on this label. Rainfall occurring up to 6 hours after application may reduce effectiveness. Heavy rainfall within 2 hours after application may wash the chemical off the foliage and a repeat treatment may be required. Delay treatment of plants wet with dew or rain if water droplets run off when plants are disturbed. DO NOT disturb treated weeds by cultivation, sowing or grazing for one day after treatment of annual weeds and 7 days for perennial weeds, to ensure herbicide absorption. A Withholding Period for grazing stock is not required. However, it is recommended that grazing of treated plants be delayed (as recommended above) to ensure herbicide absorption. Certain plants such as Soursob, St Johns Wort and Bracken, may be naturally toxic to stock. Where known toxic plants are present, grazing should be

delayed until complete browning of treated plants has occurred.

APPLICATION ON HILLY TERRAIN

As spraying height may vary, to maximise target contact, increase water volume to 30-80L/ha and increase droplet size to at least 300 micron VMD.

APPLICATION UNDER SUMMER CONDITIONS

High temperatures and/or low relative humidity cause excessive evaporation of spray droplets which may reduce results. When temperature reaches 25°C, increase water volume to at least 30L/ha and increase droplet size to at least 300 micron VMD. DO NOT apply ClearUp Bio 360 by aircraft when temperature is above 30°C.

AVOID DRIFT
DO NOT use with spraying equipment under meteorological conditions which could be expected to cause spray drift onto nearby susceptible plants, adjacent crops, crop lands or pastures. Equipment settings that produce fine droplets (150 microns or less), winds over 8km/h, inversion conditions, still air and hot dry days all contribute to drift.

PROTECTION OF CROP, NATIVE AND OTHER NON-TARGET PLANTS

Avoid contact with foliage, green stems or fruit of crops, desirable plants and trees, since severe injury or destruction may result. DO NOT apply under meteorological conditions which could be expected to cause spray drift onto nearby susceptible plants, adjacent crops, crop lands or pastures.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate dams, rivers or streams with the product or used containers. When controlling weeds near water, refer to label direction to minimise the entry of spray into the water.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. **For refillable containers:** Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS

Product will irritate the eyes and skin. Avoid contact with eyes and skin. When preparing product for use, wear elbow-length PVC gloves and face shield or goggles.

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing, gloves and face shield or goggles. When using controlled droplet applicator, wear protective waterproof clothing and impervious footwear.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 13 11 26).

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet which is available from the supplier.

CONDITIONS OF SALE

The use of Gullf Ag ClearUp Bio 360 Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Gullf Ag Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Gullf Ag Pty Ltd accepts with no responsibility for any consequences whatsoever resulting from the use of this product.

In an Emergency Dial 000 Police or Fire Brigade