FLAT SIZE: 332 MM WIDE X 448 MM DEEF

Rage 400 EC

DIRECTIONS FOR USE RESTRAINTS

SITUATION	WEEDS CONTROLLED	STATE	TIME OF APPLICATION	RATE	CRITICAL COMMENTS
Prior to sowing winter and summer broadacre and horticultural crops; starting a fallow; and prior to establishment of forestry plantations. To assist in weed control in Commercial, Industrial and Public Service areas, around Agricultural buildings and yards. In young or established Grapevines, Tree fruits (including Pome fruit, Stone fruit and Citrus fruit), Tree Nuts and Assorted Tropical and Sub tropical fruits.	Australian Crassula/ Stonecrop Crassula sp., Capeweed Arctotheca calendula, Chickweed Stellaria media, Common storksbill (max. 4 leaves) Erodium cicutarium, Doublegee/Spiny emex/ Three cornered jack <i>Emex</i> australis, Marshmallow Malva parviflora, Paterson's curse Echium plantagineum, Sub. Clover Trifolium subterraneum, Wild radish Raphanus raphanistrum. Refer also to the product label for the knockdown herbicide used. If one of the above weeds is the dominant weed, and there is no specific rate for it in the knockdown herbicide's label, consult the label's generic annual- weed rate-range. Select from within this range to suit the weed-stage, weed- density, conditions etc of your situation.	All States	Apply as a tank mix with glyphosate or paraquat products (i.e. knockdown herbicides)	15 – 45 mL/ha plus recommended label rates of knockdown herbicides Spot spray 6 mL/100 L water plus recommended label spot spray rates of knockdown herbicides	Addition of RAGE 400 EC to knockdown herbicides will increase the speed at which treated broadleaved weeds in general develop visible symptoms (compare to results achieved with knockdown herbicides applie alone) and may improve final control of broadleaved weeds including certain hard-to-kill weeds, marshmallow in particular. The use of higher rates and full soil disturbance in cropping situations may improve control of marshmallow in particular. Use the lower rates on younger plants or plants growing under good conditions and the higher rates on older plants or plants growing under less optimum conditions. The lower rate may only provide suppression of capeweed, wild radish, common storksbill and doublegee under poor growing conditions. Common storksbill should be no larger than 4 leaf at spraying, recently germinated and not under stress – older or stressed plants may not be adequately controlled. Application to hardened weeds or drought stressed weeds especially under summer conditions may caus only localised injury to weed foliage which may not enhance final weed control. Mallow growing and sprayed in the summer is especially prone to drought stress and may either not show symptoms typical of RAGE 400 EC or may regrow following treatment although plants did not appear very stressed at application. Apply only as a tank mix with recommended rates of knockdown herbicides. Refer to the appropriate labe for weed sizes and follow all label directions. Addition of Supercharge at 0.5% may be beneficial when applying RAGE 400 EC with a glyphosate herbicide. To ensure uptake of RAGE 400 EC DO NOT sow crops for at least 1 hour after application. Always refer to the appropriate companion product label in case a longer re-crop sowing period is required. When using RAGE 400 EC as a spot spray, apply in sufficient water (minimum 500 L/ha) to thoroughly wet all weed foliage to the point of run-off. Addition o standard rates of a non-ionic surfactant may improve
Prior to sowing summer broadacre and horticultural crops; starting a fallow	Volunteer cotton seedlings, including Roundup Ready varieties	NSW, Qld, WA only	Apply to seedlings at 2- 6 leaf stage	Roundup Ready cotton only: 45 – 60 mL/ha plus Supercharge or Hasten 1 % or 45 – 60 mL/ha plus glyphosate plus Supercharge or Hasten 0.5 % Conventional cotton only: 30 – 45 mL/ha plus recommended rates of knockdown herbicides	weed control. Apply RAGE 400 EC in a minimum spray volume of 80 L/ha to ensure effective coverage. Use of lower spray volumes may reduce weed control. Cotton should be growing well at application; application to plants growing under heat and moisture stress may reduce the level of control. To broaden the weed spectrum RAGE 400 EC may be tank mixed with the recommended rate of a knockdown herbicide (glyphosate or paraquat products). When using a tank mix with glyphosate for control of Roundup Ready seedlings the higher rate range of RAGE 400 EC is required as well as Supercharge or Hasten at 0.5%. When using a tank mix with glyphosate for control of Conventional Cotton seedlings the addition of standar rates of a non-ionic surfactant or 0.5% of an oil adjuvant such as Supercharge or Hasten will maximis control.

SITUATION	WEEDS CONTROLLED	STATE	TIME OF APPLICATION	RATE	CRITICAL COMMENTS
Grass pastures; Rough grass/turf areas	Marshmallow <i>Malva</i> <i>parviflora</i> , Annual (stinging) nettles <i>Urtica urens</i> .	All States	Apply to seedlings at 2 - 10 leaf stage	15 – 45 mL/ha plus Supercharge or Hasten 0.5% 15-45 mL/ha plus recommended rates of 2,4-D	Use the lower rates on younger plants or plants growing under good conditions and the higher rates on older plants or plants growing under less optimum conditions. These rates may only provide suppression of marshmallow. To improve the control of Marshmallow RAGE 400 EC should be tank mixed with one of the following: • 500 mL/ha of an 800 g/L ethyl ester of 2,4-D • 650 mL/ha of a 625 g/L amine of 2,4-D – activity of this mix will be improved with the addition of Supercharge or Hasten at 0.5%
Cotton	Desiccation of regrowth	Qld, NSW, WA only	Apply to regrowth following defoliation	50 – 60 mL/ha	Use RAGE 400 EC to desiccate regrowth which occurs following the defoliation program. Apply with crop oil concentrates or blended oil/ surfactant adjuvants as this may result in a greater reduction of green shoot. Use the higher rate of RAGE 400 EC when regrowth is vigorous or when there are more than 20 regrowth leaves of any size, per plant. Ensure that spray equipment is adjusted to provide thorough coverage of foliage to maximise product performance. Use a minimum of 100 L/ha for ground application.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THE LABEL UNLESS AUTHORISED UNDER **APPROPRIATE LEGISLATION.**

WITHHOLDING PERIODS:

HARVEST:

Cotton Processing: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION. All other situations: NOT REQUIRED FOR RAGE 400 EC WHEN USED AS DIRECTED. HOWEVER, REFER ALSO TO THE WITHHOLDING PERIOD OF PRODUCT/S MIXED WITH

RAGE 400 EC GRAZING:

Cotton/ Cotton Trash: DO NOT GRAZE TREATED AREAS OR FEED COTTON TRASH TO LIVESTOCK Grass Pasture and all other situations: NOT REQUIRED FOR RAGE 400 EC WHEN USED AS DIRECTED.

EXPORT SLAUGHTER INTERVAL (ESI): An export slaughter interval is not required when used as directed.

GENERAL INSTRUCTIONS

Farmalinx RAGE 400 EC Herbicide is an emulsifiable concentrate formulation and is to be mixed with water and applied as per the labelled Directions for Use. RAGE 400 EC is a post-emergence herbicide to be added to knockdown herbicides to improve the control of certain broadleaf weeds including marshmallow prior to the establishment of fallows winter and summer broadacre and horticultural crops, marshmallow control in grass pastures, in commercial, industrial and public service areas, around agricultural buildings, yards and other farm situations or in tree fruits, nuts and grapevines. RAGE 400 EC can be used alone with a suitable adjuvant for control of volunteer cotton seedlings including Roundup Ready cotton. It can also be used for desiccation of regrowth in cotton.

RAGE 400 EC is a fast acting contact herbicide and aids in control of weeds through a process of membrane disruption. The foliar uptake of RAGE 400 EC is rapid and plant desiccation can occur within 4 days of application. Application of RAGE 400 EC should target small actively growing weeds. Subsequent germinations will not be controlled.

SYMPTOMS

RAGE 400 EC is rapidly absorbed through the foliage of plants. Within a few hours following application, the foliage of susceptible weeds show signs of desiccation, and in subsequent days necrosis and death of the plan

Extremes in environmental conditions eg. temperature and moisture, soil conditions and cultural practices may affect the activity of RAGE 400 EC. Under warm moist conditions, herbicide symptoms may be accelerated. While under very dry conditions, the expression of herbicidal symptoms is delayed, and weeds hardened off by drought are less susceptible to RAGE 400 EC.

COMPATIBILITY

As per the Directions for Use, RAGE 400 EC should always be tank mixed with formulations of the knockdown herbicides glyphosate (BAZOOKA), paraquat and/or glufosinate RAGE 400 EC is also compatible with partner herbicides commonly used with knockdown herbicides including atrazine, Boxer Gold, clopyralid (CLOP 300), dicamba (DICAM) metribuzin (METRALAN), Outlook, pendimethalin (PANDA), Sakura, simazine, triasulfuron (TRIAFON), triclopyr (TRIPYR) and trifluralin (TRIFLURALINX). This compatibility claim is restricted to a three-way mix of RAGE 400 EC with any one of the above partner herbicides plus a knockdown herbicide provided the knockdown herbicide label includes a claim of compatibility with that partner herbicide. RAGE 400 EC is compatible with nonionic surfactants (wetting agents) such as BS1000 and WETDROP, and with oil adjuvants including Adigor, Bonza, Hasten, Supercharge, and Vibral. RAGE 400 EC can also be mixed with the insecticides alpha-cypermethrin (ALPHA-CYPER), bifenthrin (BIFENTIN) omethoate (OMETHO-MITE) and phosmet.



CONTINUED OVERLEAF

with clean water before beginning any application to a sensitive crop. use. This water must be drained from the spray boom and lines and flushed out water and leave fresh water in the spray tank, hoses, and spray booms until next equipment as outlined above allowing to soak over night, drain and flush with fresh 5. If storing equipment for more than 48 hours, preferred practice is to clean spray for a period of time containing spray solution.

recommended for subsequent tank loads or if the sprayer has been left standing time to remove any solution that has been residing in the spray lines. This is also lines by operating the spray system onto a fence line or waste area for sufficient 4. Immediately prior to commencement of spraying a sensitive crop, purge the boom before spraying sensitive crops

OTO CEREALS as a further means of removing possible residues of RAGE 400 EC 3.If possible spray a pesticide requiring an oil adjuvant eg Achieve & Supercharge through the hoses, spray boom, and spray nozzles.

completely drain the sprayer system. Rinse the tank with clean water and flush 2. Before further use of the sprayer, operate the spray system for 15 minutes, then and spray lines overnight.

solution with all internal surfaces. Let the cleaning solution soak in tank, pump and spray nozzles then fill the spray tank to capacity to ensure contact of the spray system for a minimum of 15 minutes to morougnly fluen noses, spray boom 1. Fill the spray tank with sufficient cleaning solution to allow the operation of the

ncluding canola, pulses such as taba beans, lentils, other legumes and cotton: Upon completion of applying RAGE 400 EC and before spraying sensitive crops

'OMO" or "SPREE" at a rate of 100 g for every 100 L of clean water used. Prepare a spray equipment cleaning solution by mixing an alkaline detergent eg

resistant gloves. Clothing must be laundered after each day's use. cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical Do not allow entry into treated areas until the spray has dried, unless wearing үятиз-зя

PRECAUTION

result from the failure of RAGE 400 EC to control resistant weeds detect prior to use, Farmalinx Pty Ltd accepts no liability for any losses that may or other Group G herbicides. Since the occurrence of resistant weeds is difficult to are used repeatedly. These resistant weeds will not be controlled by RAGE 400 EC resistant individuals can eventually dominate the weed population if these herbicides herbicides may exist through normal genetic variability in any weed population. The Some naturally occurring weed biotypes resistant to RAGE 400 EC and other Group G 400 EC is a Group G herbicide.

With the chlorophyll biosynthetic pathway. For weed resistance management RAGE the inhibition of the enzyme protoporphyrinogen oxidase. This inhibition interferes mode of action is through a process of membrane disruption, which is initiated by of the Aryl triazoline group of herbicides. Its DNINRAW SUBEW INATSISER

RAGE 400 EC, to determine any plant back periods or restrictions on use. rotational restrictions apply. However, check the label of any product mixed with RAGE 400 EC does not provide residual activity, therefore no crop plant back or CROP PLANT BACK & ROTATION RECOMMENDATIONS

residues. ελοιλ επιμαςε οι couract point first may contain ενεή minute cattentrazone-εινλ

applications potentially causing effects to sensitive crops and other vegetation.

The above method is only effective if the cleaning solution comes into contact with

loading and/or spray equipment, they may be released during subsequent Should small quantities of RDAE 400 EC remain in inadequately cleaned mixing

wash area with soap and water. If product in eyes, wash it out immediately with chemical resistant gloves and face shield or goggles. If product on skin, immediately

goggles and contaminated clothing.

cotton overalls, over normal clothing, buttoned to the neck and wrist, elbow-length When opening the container, preparing the spray and using the prepared spray, wear NO NOT INNALE VAPOUT OF SPRAY MIST. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin.

water. Wash hands after use. After each day's use wash gloves, face shield or

Harmful if inhaled. May irritate the nose and throat. Will irritate the eyes and skin. SAFETY DIRECTIONS

valves and return to point of supply for refill or storage.

waterways with RAGE 400 EC or used container.

wetlands, waterbodies or watercourses.

THE CONTAINE

353 Street

134 afton

Ltd Tower

FARMALINX Pty L Level 25, Suite 2506, 7 Bondi, Junction NSW 20

For refillable containers: Empty contents fully into application equipment. Close all State or Territory government regulations. DO NOT burn empty containers or product. vaterways, desirable vegetation and tree roots, in compliance with relevant Local the surface in a disposal pit specifically marked and set up for this purpose clear of waste management facility is not available bury the empty packaging 500 mm below appropriate disposal at an approved waste management facility. If an approved point. If not recycling, break, crush, or puncture and deliver empty packaging for replace cap and return clean containers to recycler or designated collection rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, for prolonged periods in direct sunlight. Triple rinse containers before disposal. Add Store in the closed, original container in a cool, well-ventilated area. Do not store JA2092ID DNA 30A90T2

Highly toxic to algae and aquatic plants. DO NOT contaminate streams, rivers or

cause spray drift onto nearby susceptible plants, adjacent crops, or pastures, or onto

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

CONDITIONS OF SALE: Customer Service on 02 9389 2455.

storage, handling or use.

Farmalinx Pty Ltd accepts no liability for any loss or damage arising from incorrect off-label permits not endorsed by Farmalinx Pty Ltd or under abnormal conditions. or implied, extends to the use of product contrary to label instructions, or under statutory warranties) of merchantability or titness for a particular purpose, express directions under normal conditions of use. No warranty (other than non-excludable reasonably fit for the purposes stated on the label when used in accordance with Seller warrants that the product conforms to its chemical description and is

Preparation of the Gleaning Solution:

spray nozzles or strainers.

RAGE 400 EC spray solution remaining in the tank, spray lines, spray boom plumping, DO NOT store the sprayer for any extended period of time, especially over night, with Mix only as much herbicide spray solution as needed at a time. mmediately tollowing each use. More complete cleaning can be achieved it the spray equipment is cleaned

:TNATRO9MI

no nor apply sprayer cleaning solutions or rinsate to sensitive crops. Federal, State, and local regulations and guidelines

Properly dispose of all cleaning solution and rinsate safely in accordance with

TIMING

Pre-crop, Volunteer cotton and Marshmallow in grass pastures

Application should be made to small, actively growing weeds less than 6 to 8 leaf in stage. As RAGE 400 EC is a contact herbicide, best control is achieved when weeds are exposed and are not shielded by other weeds and or stubble.

If cotton re-growth occurs after the initial defoliation program, apply RAGE 400 EC to

MIXING

Add half the required volume of water to sprav tank and start agitation. Add any partner SC or WG herbicide next if it should be added before an EC or knockdown herbicide. Add the measured amount of RAGE 400 EC next, followed by the knockdown herbicide (if required) Add balance of water to tank and add any adjuvant or additive if recommended for use with the knockdown herbicide or as suggested in the Critical Comments. Maintain good agitation at all times until spraying is completed. DO NOT

Extremes in environmental conditions eg. temperature and moisture, soil conditions and/or cultural practices may affect the activity of RAGE 400 EC. Under warm moist conditions, herbicide symptoms may be accelerated. While under very dry conditions, the expression of herbicidal symptoms is delayed, and weeds hardened off by drought are less susceptible to RAGE 400 EC

Ground sprayers

Pre-crop, Volunteer cotton and Marshmallow in grass pastures Apply RAGE 400 EC as a broadcast application using a conventional boom sprayer with either mechanical or by-pass agitation.

Use single orifice flat fan nozzles such as Spraying Systems TeeJet 11001, 110015, 11002 or equivalent sizes from other manufacturers or Spraving Systems Twin.let twin flat spray tips TJ60-11002, TJ60-11003 or TJ60-11004 or equivalent sizes from other manufacturers. Do not use 110-03 or bigger single orifice nozzles or TJ11006 or bigger twin orifice nozzles with RAGE 400 EC. Do not use floodjet, low drift or air induction nozzles, boomless jets or misters or controlled droplet application equipment.

Spray equipment should be properly calibrated to ensure correct and uniform application. Use a spray volume of 50 to 150 litres per hectare (minimum 80L/ha for volunteer cotton). Experience has shown that increasing spray volumes can improve weed control. Use the lowest pressure and boom height which provides uniform coverage. Use the higher volume if weed infestation is heavy and/or tall.

Cotton

When desiccating cotton regrowth, use sufficient water to obtain complete coverage of all leaves, ie, at least 100 litres of water per hectare. Good coverage should be obtained with three or more nozzles per row depending upon crop height and canopy density.

Knapsack, Pneumatic, Handgun sprayers

Apply RAGE 400 EC at the recommended rate of 1 mL per 15 litres (6 mL per 100 litres) in conjunction with labelled handoun rates of a knockdown herbicide in sufficient water to adequately and uniformly wet the foliage of the weeds being sprayed. A spray volume of 500 L to 1000 L will usually be sufficient but higher volumes may be required for dense taller vegetation. The best application conditions are when soil is moist, weather fine and rain unlikely within one hour or as specified for the knockdown herbicide.

Aerial Application (for Cotton Desiccation Only)

Apply by fixed wing aircraft in a minimum of 30 L/ha water and ensure thorough coverage. Do not exaggerate swath width. SPRAYER CLEAN OUT - AFTER THE USE OF RAGE 400 EC Thoroughly clean all spray equipment using the following procedure when you have finished spraying highly active materials such as carfentrazone-ethyl. In addition to the following procedure, ensure proper equipment clean-out for any other products mixed with RAGE 400 EC as specified on the other product labels.

KEEP OUT OF REACH OF CHILDREN Read Safety Directions before opening or Using **B** CAUTION V

eyes, wash out immediately with water. 13 11 26, New Zealand 0800 764 766. If swallowed, do NOT induce vomiting. If in If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia

farmalinx

Partners in Agriculture

FARMALINX Pty Ltd ABN 95 134 353 245

Level 25, Suite 2506, Tower 2,

101 Grafton Street, Bondi Junction NSW 2022 T: 02 9389 2455 F: 02 9389 2844

Website: www.farmalinx.com

APVMA Approval No. 89666/125730

TEERS ATAD YTEERS

Farmalinx Rage 400 EC Herbicide is available from Farmalinx Pty Ltd on request. Call vot the state of the state of the safety data sheet (SDS). A safety data sheet for

DO NOT apply under weather conditions, or from spray equipment, which may **DIA TZAI**

Cotton

desiccate re-growth prior to harvest.

store spray mixture overnight.

APPLICATION DO NOT apply by aerial application except for cotton desiccation.

THOROUGHLY BEFORE OPENING OF USING THIS PRODUCT. ACTIVE CONSTITUENT: 400 g/L CARFENTRAZONE-ETHYI SOLVENTS: 452 g/L LIQUID HYDROCARBON 100 g/L N-METHYL-2-PYRROLINDNF HERBICIDE RBICID rmaliny 5 GROUP