



NAIL[®] EC

For use in mixtures with WeedMaster[®] and other systemic or knockdown herbicides to improve the range of weeds controlled and the speed of knockdown.



Grow a better tomorrow.

Nail® EC is a robust herbicide from Nufarm that improves control of many hard-to-kill annual broadleaf weeds and increases the speed of brownout and activity when tank mixed with WeedMaster®. Nail EC has proven activity on hard to control broadleaf weeds such as mallow, storksbill, alligator weed and nettle.

Nail EC provides:

- > Proven control against many difficult to control weeds such as alligator weed, cleavers, fathen, mallow, nettles and water pepper
- > Zero grazing withholding period
- > No plant back restrictions
- > Rapid absorption and fast brownout
- > Compatible with WeedMaster and other knockdown herbicides
- > 1 hour rainfast



NAIL EC IS A CONTACT HERBICIDE WITH RAPID KNOCKDOWN OF MANY BROADLEAF WEEDS

Nail EC contains 240g/L carfentrazone-ethyl as an EC. Nail is a robust formulation that is fast acting and easy to use.

With the rapid foliar uptake, Nail EC is rainfast in one hour after application.

Nail EC is a PPO inhibitor in the Group E herbicide category. For best practice resistance management contact www.resistance.nzpps.org for resistance management strategies and alternative modes of action.

GROUP	E	HERBICIDE
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EXTENSIVE LABEL CLAIMS

Nail EC can be used in the following situations and crops:

- > General weed control and ground preparation preplanting of crops or pasture
- > Post cropping clean-up sprays
- > General weed control in industrial and commercial situations
- > Seed potato haulm desiccation

APPLICATION RATES

The optimum rate depends on the age and condition of the weeds. Use the lower 50ml/ha rate on young weeds under good growing conditions and the higher 100ml/ha on older weeds and less optimum growing conditions.



SITUATION	RATE	COMMENTS
<p>General weed control and ground preparation pre-planting of crops or pasture.</p> <p>Post cropping clean-up sprays.</p> <p>General weed control in industrial and commercial situations.</p>	<p>Broadcast application: Apply 50-100ml/ha in mixture with the recommended label rates of Weedmaster or other products based on glufosinate, paraquat, amitrole or glyphosate.</p> <p>Spot spraying: Apply 10ml/100L plus the recommended label rate for spot spraying of the partner herbicide.</p> <p>LI 700 or a suitable alternative may be added at 250-500ml/100L to aid with drift control.</p>	<p>DO NOT apply after seeds have been sown.</p> <p>The addition of Nail EC to other herbicides will increase the speed at which treated broadleaved weeds develop visible symptoms and may improve the final control of broadleaved weeds including certain hard-to-kill weeds, in particular mallows.</p> <p>Use the lower rates on young plants or plants growing under good conditions and the higher rates on older plants or plants growing under less optimum conditions.</p> <p>The lower rate may only provide suppression of some broadleaf weeds – older or stressed plants may not be adequately controlled.</p> <p>Application to hardened weeds or drought stressed weeds especially under summer conditions may cause 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 Nail EC or may regrow following treatment although plants did not appear very stressed at application.</p> <p>Apply only as a tank mix with recommended rates of knockdown herbicides. Refer to the appropriate label for weed sizes and follow all label directions.</p> <p>When using Nail EC as a spot spray, apply in sufficient water to thoroughly wet all weed foliage to the point of run-off.</p> <p>Beware: Toxic weeds may become more palatable after spraying with partner products and Nail EC may concentrate this effect.</p>
<p>Seed potato haulm desiccation</p>	<p>Apply 250ml/ha plus 1L Peptoil™/ha in sufficient water to achieve complete foliage and stem coverage.</p> <p>The addition of Contact® Xcel non-ionic surfactant at 25ml/100L of spray mix is recommended.</p>	<p>Nail EC is most active on the stems of potatoes but may be applied to foliage of potatoes in the later stages of senescence to provide desiccation of potato foliage and vines. A second application after 7 days may be required on vigorous varieties eg Ilam Hardy.</p> <p>If the crop is in the active vegetative growth stage when desiccation is initiated first destroy the foliage mechanically or with a knock down desiccant such as Desiccate®II or Reglone®. Apply Nail EC 7 days later ensuring thorough coverage of the stems. A second application at 7-14 days may be required on vigorous varieties eg Ilam Hardy.</p>



Nail EC will control seedling white clover but does not improve overall control of established white clover. If established white clover control is required and plant back intervals are acceptable then use Sero® or Kamba® 500.

IDEAL COMPANION HERBICIDE WITH WEEDMASTER

Nail EC is ideally used as a companion herbicide with glyphosate formulations such as WeedMaster in a pasture renewal situation or prior to planting a crop. By adding Nail EC to the tank you broaden the weed spectrum on hard-to-kill seedling weeds and enable a faster brownout.

A tank mixture of Weedmaster, Nail EC and Pulse Penetrant will control a wide range of weeds, including:

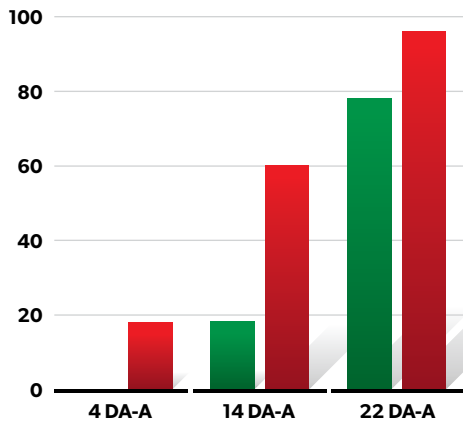
Annual poa	Bur medic	Chickweed
Cleavers	Creeping buttercup	Creeping mallow
Fathen	Fumitory	Hawksbeard
Nettles	Oxtongue	Perennial ryegrass
Prairie grass	Purple mallow	Rayless chamomile
Scrambling speedwell	Shepherds purse	Volunteer potatoes
Wireweed		



Nufarm Trials

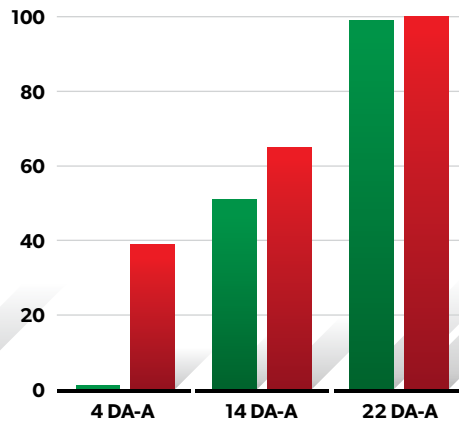
The following trial data shows the improved activity and faster brownout on specific weed species when adding Nail EC to the tank mix with WeedMaster and Pulse Penetrant.

HAWKSBEARD



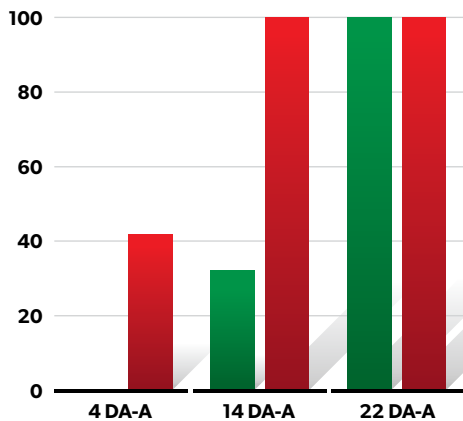
■ WeedMaster TS470 + Pulse Penetrant
■ WeedMaster TS470 + Nail EC 100ml + Pulse

STORKSBILL



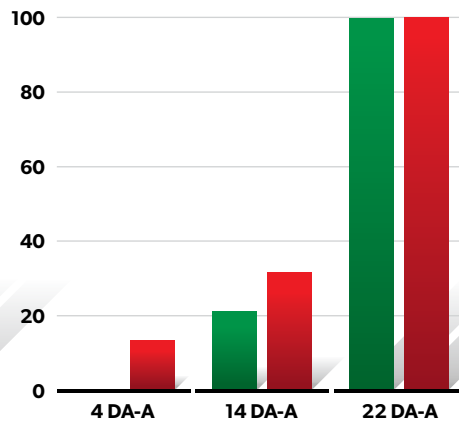
■ WeedMaster TS470 + Pulse Penetrant
■ WeedMaster TS470 + Nail EC 100ml + Pulse

SPEEDWELL



■ WeedMaster TS470 + Pulse Penetrant
■ WeedMaster TS470 + Nail EC 100ml + Pulse

CHICKWEED



■ WeedMaster TS470 + Pulse Penetrant
■ WeedMaster TS470 + Nail EC 100ml + Pulse



Figures: Percent Brownout of Seedling Broadleaf Weeds – NUNZ1311

WeedMaster TS470 1.5L/ha, Pulse® Penetrant 100ml/100L, Nail EC 100ml/ha, applied to seedling weeds in Autumn.

NO RESIDUAL ACTIVITY

Nail EC is a non residual herbicide so crops can be sown without delay after spraying.

Nail EC is an ideal partner when spraying out prior to sensitive crops, such as fodderbeet, or when planting intervals are tight or too short to meet plant back intervals of other potential partners (for example plant back periods for clovers for Sero® = 14 days and Kamba®500 =28 days). Do not apply Nail EC after the crop has been sown.

ZERO GRAZING WITHHOLDING PERIOD

Nail EC has a zero grazing withholding period.

It is important to follow label directions of other herbicides in the tank mix and allow sufficient time for the partner herbicide to be effective. For example, WeedMaster TS540 requires three days for perennial weeds and grasses and one day for annual weeds and grasses before grazing, cultivating or cutting. In established pastures, phenoxy herbicides require several days for uptake and translocation to occur and for toxic weeds to die down.

APPLICATION

For best results, Nail EC should be applied to small actively growing weeds. As Nail EC is a contact herbicide only, complete coverage of the targeted weeds is essential. Weeds that have been hardened off by drought or other climatic stress are less susceptible and may not be effectively controlled.

SPRAY DRIFT

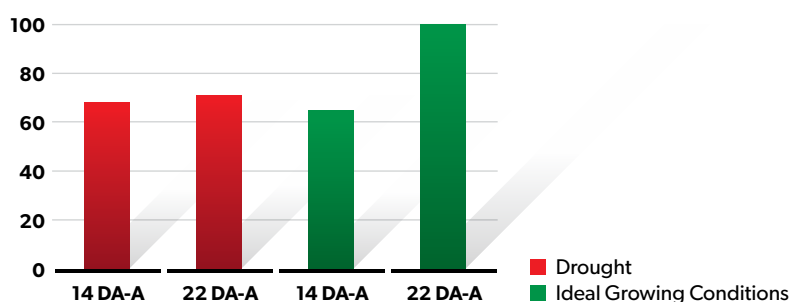
Extreme care must be taken to avoid spray drift as non-target plant injury is very rapid and visual. Follow good practice for spray drift management such as selecting low drift nozzles, appropriate pressure & droplet size settings and establishing buffer zones. A suitable drift control product such as Li700 may be used.

TANK CLEANING

The active ingredient, carfentrazone-ethyl, is prone to sticking to spray equipment and can cause injury to following crops if equipment is not cleaned thoroughly.

If sprayers are used for selective weed control or applying fungicides, insecticides and plant growth regulators, always decontaminate spray equipment with a suitable tank cleaner. Follow label directions for tank cleaning. Do not apply rinse water to sensitive crops.

The effect of drought stress on the control of seedling storksbill.



Treated with WeedMaster 470 1.5L/ha + Nail 100ml/ha + Pulse 100ml/100L

DA-A = Days After Application

**ALWAYS FOLLOW
LABEL DIRECTIONS**

POWERFUL REWARDS FOR LOYALTY TO NUFARM



Every purchase of Nail EC earns you valuable reward points in Priority Partnership®, the rewards programme for New Zealand farmers. If you would like to know more about becoming a member visit www.prioritypartnership.co.nz

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