

Beloukha[®]

HERBICIDE

THE ORGANIC CHOICE FOR FAST WEED CONTROL

Beloukha is a non-selective, bio-degradable, broad-spectrum, foliar applied herbicide that acts exclusively on contact, attaching and destroying the cell membrane of the plant epidermis causing rapid tissue dehydration.



Commercial and industrial



Vineyards and orchards



Residential



Grapevine suckers

 *australia*
grochem



www.gemmchemicals.com.au

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Features	Benefits
680g/L Nonanoic Acid	Highest load Nonanoic Acid on the market Lower use rates per treated hectare More treated hectares per drum Transport and storage efficiencies
Rate: 6 – 8L of product/100L of water	Rate range to give more flexibility
Applied in 200 to 600L of water/ Hectare	More treated hectares per spray vat Less time wasted filling spray tank with water Lower rates of product per hectare
Fast acting with visible effects on green plant tissue	Most weeds show effects within hours of applications
Derived from natural occurring substances sourced from Sunflowers	Derived from plants to kill weeds
Biodegradable	Breaks down into carbon dioxide and water
Many use patterns	Orchards and Vineyards Grapevines - Unwanted suckers Fallow soil Paths, Driveways, Around sheds, Gardens, Amenity horticulture areas, Protected cropping situations, Around Nursery stock General uses - including around buildings, commercial and industrial areas, domestic and public services areas, rights-of-way Spot spraying in Lawns and Turf
Available in 1L, 5L, 20L, 200L & 1000L packs	A pack size for every situation

MODE OF ACTION

Plant Cells



TIPS FOR SUCCESSFUL APPLICATION



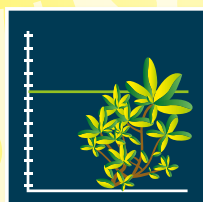
PREPARATION

Beloukha should be applied for weed management at the recommended label rate to dry foliage.



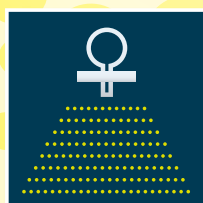
WEATHER CONDITIONS

Optimum results will be achieved on a warm, sunny and dry day. Sun and warmth provide visual results within hours.



WEED STAGE

Beloukha should be applied to smaller weeds at early stages of development. Higher rates should be used for larger, more established weeds.

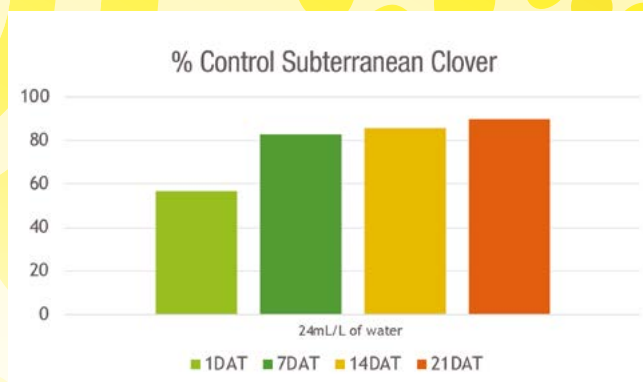
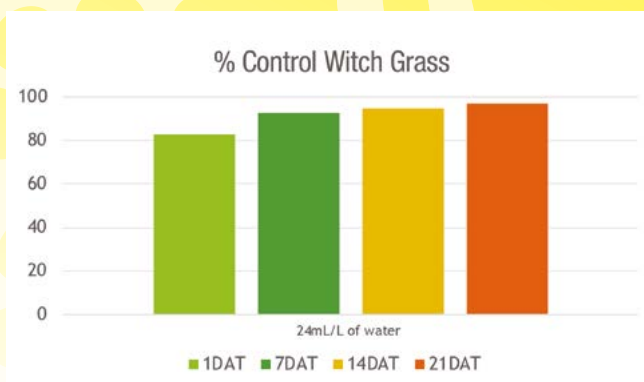


SPRAY COVERAGE

Beloukha is a contact herbicide, therefore, full coverage of the targeted weed is essential for optimum results.

BELOUKHA TRIALS

Bendigo, Vic. Sept 2020



DAT (Days After Application)

DIRECTIONS FOR USE

Weeds in Orchards, Vineyards and Fallow soil

Situation	Weeds	Rate	Critical Comments
Orchards and Vineyards, Fallow soil	Seedling and young annual and perennial weeds such as; Black nightshade (<i>Solanum nigrum</i>) Blue top (<i>Ageratum</i> spp.) Burr medic (<i>Medicago polymorpha</i>) Capeweed (<i>Arctotheca calendula</i>) Chickweed (<i>Stellaria media</i>) Clover (<i>Trifolium</i> spp.) Common storksbill (<i>Erodium cicutarium</i>) Couch grass (<i>Cynodon dactylon</i>) Crows foot grass (<i>Eleusine indica</i>) Cudweed (<i>Gamochaeta pensylvanica</i>) Evening Primrose (<i>Oenothera stricta</i>) Fat hen (<i>Chenopodium album</i>) Fleabane (<i>Conyza</i> spp.) Grasses (<i>Poaceae</i>) Groundsel (<i>Senecio vulgaris</i>) Lambs tongue (<i>Plantago lanceolata</i>) Marshmallow (<i>Malva parviflora</i>) Nut grass (<i>Cyperus rotundus</i>) Peppergrass (<i>Lepidium</i>) Pigweed (<i>Portulaca oleracea</i>) Potato weed (<i>Galinsoga parviflora</i>) Red Chickweed (<i>Anagallis arvensis</i>) Red-root amaranth (<i>Amaranthus retroflexus</i>) Rhodes grass (<i>Chloris virgata</i>) Scrambling speedwell (<i>Veronica persica</i>) Small-flowered mallow (<i>Malva parviflora</i>) Sow thistle (<i>Sonchus oleraceus</i>) Stink grass (<i>Eragrostis cilianensis</i>) Stinking Roger (<i>Tagetes minuta</i>) Temperate grasses Wireweed (<i>Polygonum aviculare</i>) More advanced or established weeds may only be suppressed and require repeated application.	Mix 6 - 8 L product per 100 L water Apply 200 - 600 L spray per ha ie 12 - 48 L product per ha	Apply as a band spray 400 mm wide on each side of the orchard or vine crop row. Apply at early vegetative stage of weeds. Best results are obtained at 4-8 leaf stage when weed canopy is less than 15 cm in height. Established and perennial weed species may require more than one application. Repeat spray after 7 days if required. Spray over all weed foliage to ensure full foliage penetration and coverage. Partial foliage penetration or coverage will result in partial control. For harder to kill or drought/frost stressed weeds, use a higher volume of spray per hectare.

EXAMPLE SCENARIOS	Size and type of sprayer	Rate of mixture	Amount of Beloukha to add to tank	Water output of sprayer per hectare	Hectares per load
For small weeds under grape vines or in fallow soil	1000L boom/broadcast sprayer	Add 6L per 100L	$6 \times 10 = 60\text{L}$	for example 200L/ha	$1000 \div 200 = 5\text{Ha}$

Grapevine Sucker Control

Situation	Weeds	Rate	Critical Comments
Grapevines	Unwanted suckers (water shoots) arising from the main stem or trunk	8 - 10 L/100 L water sprayed to point of run-off as a downward, targeted application.	For best results apply to young, non-lignified suckers up to 15 cm long. Treat on both sides of the grapevine row towards suckers. Apply solely on the vine branches. Complete spray coverage of suckers is recommended. Re-application may be required with an interval of 2 to 3 weeks for control of longer suckers, re-growth of treated suckers or new suckers, and may depend on the vine variety and vineyard vigour. More vigorous varieties and grafted vines on vigorous rootstocks may need several applications depending on the growth conditions.



GRAPEVINE SUCKERS

EXAMPLE SCENARIOS	Size and type of sprayer	Rate of mixture	Amount of Beloukha to add to tank
For Sucker control in vineyards	200L single jet sprayer	Add 8L per 100L	$8 \times 2 = 16\text{L}$



Algae, Lichen, Liverwort & Moss Control

Situation	Weeds	Rate	Critical Comments
Gardens, paths, rockeries, tiled roofs, walls, driveways, around buildings, spot spraying in lawn and turf	Algae, Lichen, Liverwort, Moss	Mix 24 mL product per L of water as a spot spray	Spray to completely cover plant surface. For drives or heavy infestations, clean off by brushing after 3 days and re-apply if necessary.



RESIDENTIAL & COMMERCIAL SITUATIONS

General Weed Control

Situation	Weeds	Rate	Critical Comments
Paths, driveways, around sheds, gardens, amenity horticulture areas, protected cropping situations, around nursery stock.	Seedling and young annual and perennial weeds such as; Black nightshade (<i>Solanum nigrum</i>) Blue top (<i>Ageratum</i> spp.) Burr medic (<i>Medicago polymorpha</i>) Capeweed (<i>Arctotheca calendula</i>) Chickweed (<i>Stellaria media</i>) Clover (<i>Trifolium</i> spp.) Common storksbill (<i>Erodium cicutarium</i>) Couch grass (<i>Cynodon dactylon</i>) Crows foot grass (<i>Eleusine indica</i>)	Mix 24 mL product per L of water as a spot spray	Spray to completely cover weed surface. Re-application at around 7 days may be necessary if regrowth occurs. This product may damage lawn and turf when used as a spot spray.
Spot spraying in lawns and turf.			Established and perennial weed species may require repeated applications to obtain long term control. To control weeds in protected cropping situations apply on each side of the crop row taking care not to allow spray to contact any of the crop foliage.
General uses - including around buildings, commercial and industrial areas, domestic and public service areas, rights-of way, bushland and forestry.		6 L – 8 L/100 L Apply 200 – 600 L spray/ha or Mix 24 mL product per L of water as a spot spray	For harder to kill, large, drought or frost stressed weeds, use a higher volume of spray per hectare.

EXAMPLE SCENARIOS	Size and type of sprayer	Rate of mixture	Amount of Beloukha to add to tank
For spot spraying weeds or algae in lawns, driveways or around buildings	15L backpack knapsack	Add 24mL per litre	15 x 24mL = 360mL



UNWANTED WEEDS



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



Beloukha®

HERBICIDE

- **Beloukha®** acts exclusively by contact attacking and destroying the cell membranes of the plant epidermis causing rapid tissue dehydration.
- The active ingredient (Pelargonic acid) is naturally sourced from sunflowers.
- The lipophilic part of the fatty acid destroys the cell membranes of plant epidermis causing rapid tissue dehydration.
- **Beloukha®** provides burndown of both annual and perennial broadleaf and grass weeds.
- For best results **Beloukha®** should be applied in sunny, hot and dry weather to small weeds.

