

Weed Blitz - Weed Activity List

Acanthus***	Cape tulip***	Eschscholzia*	Kanuka***
All seed*	Cape weed*	Fathen*	King Island melilot
Annual mouse ear chickweed*	Caper spurge**	Fennel*	Kopata*
Annual pearlwort*	Castor oil plant***	Field bindweed*	Lily of the valley vine**
Apple of peru***	Catchfly*	Field horsetail*	Lodge pole pine***
Apple of Sodom***	Catsear*	Field madder*	Loosestrife*
Arum lily***	Centella*	Field pansy*	Lotus*
Asphodel*	Chamomile-Rayless*	Fireweed*	Mallow*
Australian fireweed**	Chamomile-Scentless*	Firmitroy*	Mallow-Creeping*
Australian flax***	Chickweed*	Fixweed*	Mallow-Large flowered*
Australian sheeps bur*	Chicory*	Fleabane*	Mallow-Small flowered*
Barberry***	Chinese mugwort**	Flowering current**	Mallow-Tree*
Bathurst bur*	Clammy goosefoot*	Foxglove***	Manuka***
Beggars ticks***	Cleavers*	Galinsoga**	Maori onion**
Bitter cress*	Clover dodder*	Giant knot weed***	Matagouri***
Bitter willow***	Clover-Strawberry*	Goats rue*	Mexican devil**
Bittersweet**	Clover-Sweet*	Gorse**	Montbretia**
Black medic*	Coltsfoot**	Goutweed**	Mullen-Moth**
Blackberry**	Combind *	Gravel groundsel*	Musky storksbill*
Bladder campion*	Cotton fireweed**	Greater bind weed*	Nettle*
Blue morning glory**	Cotula*	Groundsel*	Nettle-Hemp*
Bone-seed***	Crack willow***	Hairsfoot trefoil*	Nettle-Horse*
Borage*	Creeping willow herb*	Hawkbit*	Nettle-Perennial**
Box thorn***	Cress-Creeping yellow*	Hawksbeard	Nettle-Tree***
Bracken**	Cress-Hoary*	Hawkweed*	Nightshade-Black**
Broom**	Cress-Narrow-leaved*	Hawthorn***	Nightshade-Hairy**
Broom-Montpellier***	Cress-Penny*	Hedge mustard*	Nipplewort**
Broomrape***	Cut leaved geranium*	Hedge stachys*	Noogoora bur*
Broom-Spiny***	Cut-leaved psoralea***	Hemlock*	Old mans beard**
Burdock*	Daisy*	Henbit*	Onehunga weed**
Buttercup- Bermuda*	Daisy- Bur*	Herb Robert*	Orache*
Buttercup*	Daisy-Oxeye*	Himalaya honeysuckle**	Orange cestrum**
Buttercup-Celery-leaved*	Dandelion*	Holly-leaved senenco**	Oriental mustard*
Buttercup-Creeping*	Darwins barberry***	Horehound***	Oxalis-Creeping*
Buttercup-Giant*	Dichondra*	Hydrocotyle*	Oxalis-Fish-tail**
Buttercup-Hairy*	Dock- Broad-leaved*	Ink weed**	Oxalis-Large flowered**
Buttercup-Small-flowered*	Dock-Climbing**	Ivy-Kenilworth**	Oxalis-Lilac**
Calandrinia*	Dock-Curled*	Ivy-German***	Oxtounge*
Californian stinkweed*	Dock-Fiddle*	Japanese honeysuckle**	Parsley dropwort*
Canabis: hemp*	Doves foot*	Jersey cudweed*	
Canadian-fleabane*	Dwarf montia*	Jerusalem cherry***	
Parsley pier* Patersons curse*	Elder***	Kaffir lily***	
Pearlwort*	Solidiers button*	Thistle-Varigated*	
Pennyroyal*	Sour grass**	Thorn apple*	
Periwinkle**	South African buddleja***	Toadflax*	
Piripiri*	Spanish heath***	Tree lupin***	
Plantain-Broad leaved*	Speedwell-Field*	Tree privet***	
Plantain-Bucks horn*	Speedwell-Scrambling*	Turf speedwell*	
Plantain-Narrow leaved*	Spotted bur medick*	Tutsan**	
Poroporo***	Spur valerian*	Wall lettuce*	
Prickly lettuce***	Spurge*	Wild carrot*Willow Weed*Wire Weed*	
Prostrate amaranth*	Spurrey*	Wormwood**	
Purple cudweed*	St Johns wort*	Yarrow*	
Purple fuzzweed*	Stagger weed*	Yellow gromwell*	
Purple top**	Stinking iris**		
Ragwort*	Stinking mayweed*		
Red dead-nettle*	Stitchwort*		
Redroot*	Stone parsley*		
Ring fern**	Stonecrop*		
Salsify*	Storks bill*		
Sand primrose*	Tall cinquefoil*		
Sand spurrey*	Tarweed**		
Scarlet pimpernel*	Tauhinu**		
Sea aster***	Thistle-Califonian*		
Selfheal*	Thistle-Cotton*		
Sheeps sorrel*	Thistle-Grecian*		
Shepherds purse*	Thistle-Malta*		
Shrubby haloragis**	Thistle-Marsh*		
Silver poplar**	Thistle-Nodding*		
Slender birdsfoot trefoil*	Thistle-Perrenial sow*		
Smilax**	Thistle-Prickly sow*		
	Thistle-Saffron*		
	Thistle-Scotch*		
	Thistle-Sow*		

Key to Weed List

Weeds marked as* Best controlled at a 1-4 true leaf stage of growth.

Weeds marked as** Best control achieved at young stages of growth. Indirect rhizome and bulb control occurs by regular applications to emerging weed parts.

Weeds marked as *** Only controlled at seedling stage (1-4 true leaf stage).

Amgrow
organix®

Weed Blitz

Ready to Use

Organix Weed Blitz is a new generation, wholly plant derived, knockdown and pre-emergent herbicide.

- Environmentally friendly
- 100% plant based herbicide
- Kills weeds and seeds in the soil
- Fast & effective
- Does not harm soil microbia
- Does not effect bird, bees and earthworm populations
- pH neutral on application
- Zero soil residue



Blitz weeds
fast!

Technical Bulletin

Weed Blitz Properties

Weed Blitz™ is a ready to use formulation containing the active ingredient Pine oil (136g/L). Pine oil is a new generation of plant derived herbicides that have been approved for use in certified organic agriculture. Pine oil has both a knock-down and pre-emergent action, and is non-systemic and non-translocated within the plant. But **Weed Blitz™** is not a simple pine oil product. The active ingredients and the synergist compounds are all specific extracts from the distillation of pine oil. Significant intellectual property attaches itself to the specific fractions of pine oil that are most effective for use as a herbicide.

Mode of Action

Weed Blitz™ controls weeds by penetrating green plant tissue, disrupting normal membrane permeability and cellular physiology. Pine oil works by dissolving the lipid layer that protects soft plant tissues, stripping the outer coat off the leaves and seeds and thereby causing desiccation. As a result of disruption of the cell membrane, the plant becomes dehydrated, resulting in cell breakdown, and the eventual collapse of all contacted tissue. Results are often seen within 1 hour after treatment, depending on plant size and species. Pine oil will not work against lignified material (the material from which roots and stems are made) and therefore can be used against vine or tree stems and in high volumes to destroy seeds on or near the soil surface without causing harm to established plants.

Application Timing & Weed Maturity



Although **Weed Blitz™** can be used year round, best results will always be achieved on small and emerging weeds. Early spring and autumn are the primary times to maximize control with **Weed Blitz™**.

Generally best overall results occur when using when weeds are at 15 cm (6 inches) in height or less. If application occurs after seed head sets, the results can be variable and volume of **Weed Blitz™** required will increase depending on weed size.

Weed Blitz™ will act most rapidly when applied in warm, sunny weather. A rain-free period of three hours following

application is ideal and is usually sufficient for effective control to be achieved. Application in cold conditions slows the rate at which control is achieved. As with other herbicides it is best not to apply **Weed Blitz™** during strong windy conditions.

Importance of Weed Coverage

Application of **Weed Blitz™** varies from traditional herbicide practices because plant derived herbicides (such as pine oil) are essentially a different product. Because pine oil is plant derived it has a much shorter active life and is not translocated, therefore requiring increased rates of coverage. Hence, full coverage of weeds including stems is required to achieve a total kill. Also the shorter the foliage, the easier it is to get the complete coverage required without excessive use of the herbicide. Mowing or hard grazing prior to application can be beneficial. Where possible apply **Weed Blitz™** to young weeds (1-4 true leaf stage). Typically, if well applied, the kill from application of **Weed Blitz™** should be seen within 4 hours, sometimes as little as an hour. Run-off from most herbicide applications are unacceptable, however with **Weed Blitz™** run off to the soil can be beneficial as it assists in killing weed seeds at the soil surface.

Moss Control

An additional benefit of using **Weed Blitz™** is that it will also prove very effective in controlling moss. In some countries such as New Zealand, pine oil formulations are specifically sold for this purpose. Generally 2 applications of **Weed Blitz™** at 7-10 days intervals is required to obtain the best control.

Pre Emergent / Seed Eradicator Properties

Weed Blitz™ has a unique pre-emergent activity which kills weed seed in the soil. This can significantly reduce emerging weed pressure. Pine oil herbicides have been researched heavily for use as a pre-emergent / seed eradicator product, and have been shown to be particularly effective, even though its residual soil life is short. Branched broomrape (*Orobanche ramosa*) is one invasive weed species that pine oil has proven very effective in controlling. For more information on control of broomrape visit the following website; www.grdc.com.au/director/events/groundcover?item_id=publication-issue56&article_id=482BABF1FB3A7AD01A7B26F0D9DB2CE5

Benefits of Weed Blitz as a Pre – Emergent / Seed Eradicator

- Kills under soil weed seed bank with no harm to roots or soil microbia
- Reduces time, labor and equipment/fuel input costs of subsequent post emergent herbicide applications.
- Kills weed seeds when still on the flower heads of the plant.
- Kills seeds by immediate desiccation not by residual chemical action, limiting replanting or reseeding issues.

Environmental Effects

As **Weed Blitz™** is made entirely from plant extracts, it will immediately improve your weed control programs environmental impact. Replacing petrochemical herbicides will immediately begin to improve your soil health and alleviate soil residue issues.

Weed Blitz™ has the following environmental benefits:

- Does not harm soil microbia
- Has no effect on birds, bees and earthworm populations
- Has zero soil residual properties (dissolves into a naturally occurring oxide in 72 hours)
- Is pH neutral on application.

