

DANGER

**KEEP OUT OF REACH OF CHILDREN
READ LABEL BEFORE USE**

Baton[®]
800WSG



SCAN ME



Active Ingredient: 800g/kg 2,4-D as the dimethylamine salt,
in the form of a water-soluble granule.

**Non-volatile 2,4-D soluble granules for broadleaf
weed control in cereals and new and established pasture**

 **Nufarm**
Grow a better tomorrow

GHS CLASSIFICATION

Acute oral toxicity Category 4, Acute inhalation toxicity Category 4, Eye irritation Category 2, Skin sensitisation Category 1, Specific target organ toxicity (repeated exposure) Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1

This product must not be used for any purpose or in any manner, contrary to this label unless authorised under appropriate legislation.

DANGER

- Harmful if swallowed or inhaled. Do not breathe or inhale particles of dusts or mists that may occur during the use.
- Causes serious eye irritation.
- May cause an allergic skin reaction.
- Causes damage to organs through prolonged or repeated exposure.
- Very toxic to aquatic life with long lasting effects. Avoid contamination of any water supply with product or empty container. Do not apply directly into or onto water.
- Very toxic to the soil environment.
- Selective herbicide – very toxic to some plant species
- **Beware: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants.** Ensure compliance with relevant regional air management plans. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.
- To minimise the risk of damage from drift of this product, especially where susceptible vegetation is within 0.5km, use low drift nozzles which minimise the production of small droplets (less than 100 microns). Maintain a water rate of at least 30 litres/ha for aerial spraying. Do not add additional wetter unless specified on the label. Preferred wind conditions for spraying are a light constant breeze away from any sensitive crop.
- Aerial Application droplet size: no finer than coarse BCPC or ASABE S572. Boom spray application droplet size: No finer than medium BCPC or ASABE S572.
- Toxic to terrestrial vertebrates.

HANDLING PRECAUTIONS

The person mixing or applying this product must be a “Qualified Contractor” or a “Qualified Person”. The spray mixture may also be prepared by a “Qualified Loader”.

STORAGE:

- Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, seeds, and fertilizers. Storage must be in accordance with NZS 8409 Management of Agrichemicals.
- Stores containing 100kg of Baton 800WSG are subject to signage and more than 100kg require emergency response plans.

PERSONAL PROTECTION

- Use only outdoors or in well ventilated area. Avoid breathing spray.
- When handling wear eye protection, waterproof gloves, boots and overalls.
- Do not eat, drink or smoke while using this product.
- Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
- Wash hands and face thoroughly before meals and after handling.

EQUIPMENT:

- Apply using well maintained spray equipment that is accurately calibrated.

DISPOSAL:

- Ensure container is completely empty. Crush and bury in a suitable landfill.
- Dispose of product only by using according to the label, or at an approved treatment facility.

First Aid: If medical advice is needed, have the product container or label at hand.

IF SWALLOWED: Call the National Poisons Centre 0800 POISON (0800 764 766) or a doctor if you feel unwell. Rinse mouth. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with soap and running water. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **IF ON SKIN:** wash with plenty of soap and water. If skin irritation or rash occurs or if eye irritation persists get medical advice. Wash contaminated clothing before reuse. **IF INHALED:** move the victim to fresh air immediately and keep at rest in a position comfortable for breathing. Get medical advice if you feel unwell.

Spillage: Collect spillage. Wear appropriate protective clothing and avoid the material to be released to the environment. Collect spillage without generating dust. Contain liquid spills and absorb with inert material. Dispose of waste safely in an approved landfill.

Transport: Do not carry this product on a passenger service vehicle.

Record Keeping: Records of use as described in NZS 8409 Management of Agrichemicals, must be kept if 3kg or more of Baton 800WSG is applied within 24 hours. Records must be kept for a minimum of 3 years from application date.

Cleaning: Flush equipment thoroughly with clean water after use. If the spray unit which has applied Baton 800WSG is to be used for the application of other chemicals to sensitive crops, ensure the unit is completely decontaminated.

Compatibility: Baton 800WSG is compatible with most other agricultural chemicals, including Archer® 750, Valdo 800WG®, Kamba® 750, Dockstar™, paraquat, chlorsulfuron, diuron and atrazine. Baton 800WSG may be incompatible with some foliar fertilizers, especially where water rates below 50L/ha are used. If compatibility is unknown, make up a small test batch before mixing large quantities. Baton 800WSG is not compatible with Reaction 9-5-6 or Reaction 14-4-4.

RESISTANCE MANAGEMENT: Resistance to this herbicide could develop from excessive use. To minimise this risk use strictly in accordance with label instructions. Baton 800WSG contains a **GROUP 4 HERBICIDE** and belongs to the phenoxy group of chemistry. Baton 800WSG has the disruption of plant cell growth mode of action. Naturally occurring weed biotypes, resistant to Baton 800WSG and other phenoxy herbicides, are known to exist. These become more prevalent after many years of continuous use of the product. Species with known resistant biotypes include nodding thistle, giant buttercup and slender winged thistle. Resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. Resistant weeds will not be controlled by Baton 800WSG or other phenoxy herbicides. To prevent or delay the development of resistance use in tank mixtures where appropriate and/or in rotation with herbicides having a different mode of action against the weed. Consult www.resistance.nzpps.org/ for alternative modes of action and the details of resistance management strategies (if any) for the crops listed on the label.

GENERAL COMMENTS:

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

Baton 800WSG will control a wide range of pasture weeds. Weeds are best controlled as small seedlings. Use the lower rate on seedlings and the higher rate on larger weeds, or during periods of hardened growth. Do not apply if crop or weeds are stressed. Weed control may be unsatisfactory where low soil temperatures inhibit plant growth. Larger plants and established biennials are often not well controlled, and perennial plants are not well controlled. Buttercups and thistles are generally better controlled with Agritone® 750. Some weeds (eg Californian thistle, bindweed) require repeat applications.

To improve control of large thistles, or phenoxy resistant thistles add Archer 750 at 40ml/ha. Archer 750 will severely suppress clover growth and clovers may take 6-12 months to recover.

Baton 800WSG is damaging to clovers, especially red, suckling and subterranean clover, and plantain and chicory. To minimize clover damage where clovers are actively growing, hard graze to remove as much clover leaf as possible before spraying. Do NOT spray hay or silage paddocks.

After spraying with Baton 800WSG, poisonous plants (eg ragwort) may become more palatable. Stock should be kept away from the area until the plants have died down.

Weeds Controlled:

Baton 800WSG controls or severely checks the following:

Allseed, apple of Peru, Bathurst bur, bitter cress, black nightshade, burdock, bur medick, buttercups, Canadian fleabane, catsear, charlock, chicory, cornbind, cresses, dandelion, dove's foot, fathen, field bindweed, foxglove, groundsel, hawkbit, hawksbeard, hawkweed, hedge mustard, mouse-ear chickweed, nettles, oxtongue, parsley dropwort, penny cress, pennyroyal, pipiriri, plantains, ragwort, red dead nettle, redroot, selfheal, shepherd's purse, storksbill, thistles, twin cress, vetch, wart cress, wild mustard, wild carrot, wild parsnip, wild radish, wild turnip.

Weeds Controlled as Seedlings Only: Cape weed, creeping mallow, cut-leaved geranium, daisies, docks, fennel, spurrey, willow weed.

Baton 800WSG Does Not Control: Field chickweed, cleavers, grasses, hydrocotyle, stinking mayweed, oxalis, prostrate amaranth, parsley piert, pearlwort, sorrel, staggerweed, stonecrop.

Rainfall within 6 hours following application may reduce effectiveness.

Directions for Use:

Maximum application rate: The maximum application rate for Baton 800 WSG is 2.9247 kg active ingredient per hectare with one application per season.

CROP	RATE kg/ha	NOTES
Wheat Barley Millet Ryecorn	1-1.5	Apply from 6 leaf stage to jointing (when nodes are visible at the base of the stem). Do not apply to wheat or barley between jointing and flowering. Rapidly growing spring sown cereals should be treated with Agritane 750. Critical comment: Application to crops outside recommended growth stages or crops stressed due to insect damage or moisture stress may cause serious injury including yield loss. Inspect crops before application to check condition and growth stage.
Oats	1	Use only on autumn sown oats and treat in the following spring when plants are fully tillered. Use Agritane 750 on spring sown oats.
Pasture (grass/clover)	1-3	Refer to Weeds Controlled Table for guidance. Graze area to be treated to expose weeds and reduce clover leaf. Then leave one week to freshen up before spraying. As treated weeds are more palatable to stock, avoid grazing for 7 days after spraying.

Weeds Controlled in Cereals:

At 1kg/ha – fathen, hedge mustard, nettles, shepherd's purse, wild turnip.

At 1.5kg/ha – black nightshade, calandrinia, docks (seedlings), thistles.

Checked at 1.5kg/ha – chamomiles, cornbind, regrowth docks, fumitory, spurrey, stinking mayweed, willow weed, wireweed, yarrow, vetch. For best results use an alternative cereal herbicide.

Pasture (new and established)

Baton 800WSG may be used for weed control in newly established pastures where weeds are too large for, or not well controlled by Thistrol® Plus or MCPB. Do not exceed 1.5kg per hectare. If red clover was sown do not exceed 1kg/ha. Clover should have at least 3 trifoliate leaves, and pastures **must be grazed** prior to application to remove clover foliage and minimise clover damage. Ensure any nitrogen deficiency is addressed before applying Baton 800WSG. Apply Baton 800WSG 3-7 days after the first full grazing. Clover growth will be suppressed for 3-4 months. Application of Baton 800WSG to ungrazed seedling clovers may result in some plant mortality.

Weeds Controlled in Pasture:

Weed	Rate kg/ha	Stage	Notes
Apple of Peru	2	Spray young plants	Only susceptible when young.
Bathurst bur	1.5-2	Seedlings only	
Black nightshade	1.5-2	Seedlings	
Bur medick	1-1.5	Seedlings	
	1.5-2	Small rosettes	
Californian thistle	1.5-2	Hard ball stage	Do not spray hay or silage paddocks. Graze paddocks before application to remove clover foliage. Some clover suppression may occur. Repeat applications will be required to achieve good levels of control.
Catsear	1-1.5	Seedlings	
	1.5-2	Small rosettes	
Charlock	1.5	Rosette stage	
Cresses	1-1.5	Seedlings	
	1.5-2	Small rosettes	
Dandelion	1-1.5	Seedlings	
	1.5-2	Small rosettes	
Docks	2.5	2-4 leaf seedlings only	Will not control regrowth from root chips.
Fathen	1-2	Spray pre-flowering	
Hedge mustard	1-1.5	Seedlings	
	1.5-2	Small rosettes	
Hemlock	2-3kg	Seedlings / young rosettes	Multi-crown or 2 nd year plants will not be controlled (toxic to stock).
Mustards	1-2.5	2-4 leaf up to rosette stage	
Nettles	1.5-2.5	Seedlings – young plants	Graze to expose weeds and reduce clover cover.
Nodding thistle	2	Seedlings	Root crowns less than 2cm
	2.5-3	Rosettes	Root crown 2-4cm, before flower stalk develops
Parsley dropwort	2.5	Seedlings	
Pennyroyal	1.5-2	Prior to flowering	Apply in spring after seedling germination
Plantains	2-2.5	Seedlings to small rosettes	
Ragwort	2-3	Seedlings / small rosettes	Large rosettes or multicrowns require spot treatment with other herbicides.
Redroot	1-1.5	Seedlings	
	1.5-2	Small rosettes	
Scotch thistle	1-1.5	Seedlings	
	1.5-2	Rosettes	
Shepherd's purse	1-2	Seedlings / small rosettes	
Storksbill	1.5-2	Seedlings	Graze to expose weeds and reduce clover.
	2-3	Rosettes	Well established plants may only be checked.
Thornapple	3	Seedlings only	Established plants are not well controlled.
Variegated thistle	1.5-2	Seedlings	
	2-3	Rosettes	Less than 15cm diameter

Weed	Rate kg/ha	Stage	Notes
Vetch	1.5	Spray at multiple leaf stage	
Wild carrot	2.5	Seedlings	
Wild radish	1.5-2.5	Seedlings to young rosette stage	
Wild turnip	1.5	2-4 leaf up to rosette stage	
Willow weed	2-3	Seedlings	Established plants are not well controlled.
Winged thistle	2	Seedlings	
	2.5-3	Rosettes	Prior to flower stalk development

Plant Back Periods: 2,4-D has soil activity which may be exacerbated by dry soil conditions. To ensure that susceptible species (e.g. brassicas, grasses, clovers) are not damaged by 2,4-D soil residues, do not plant for 4 weeks after application.

APPLICATION INSTRUCTIONS:

Apply 100-300 litres of water/ha for ground spraying and 30-100 litres of water/ha for aerial spraying. Use higher water rates for larger weeds. For aerial application read spray drift hazard section of this label.

Mixing: Add two thirds of the required quantity of the water to the spray tank. With the agitation system going add the product to the spray tank. Agitate for 3-5 minutes while adding remaining water. Ensure Baton 800WSG is completely dissolved before spraying.

High Volume Spot Treatment: Use 500g/100 litres water with a pressure of 600-800kPa and a No. 4 tip and apply as a fine wetting spray. Spray marker dye can be used to identify treated plants.

Knapsack: Use 50g/10 litres water

Registered pursuant to the ACVM Act 1997, No. P9585.

See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSNO Act 1996, Approval Code HSR100573.

See www.epa.govt.nz for approval controls.

®Baton, Valdo and Thistrol are registered trademarks of Nufarm Limited

®Agritone, Archer, Kamba and Dockstar are registered trademarks of Nufarm Australia Limited

CONDITIONS OF SALE:**CAUTION: READ THIS NOTICE BEFORE OPENING THE CONTAINER**

If you open this container you will be deemed to have accepted the conditions below.

The results from use of this product may be affected by factors beyond Nufarm's control, including mixing, use, climatic conditions, time of application, crop or crop stage and the possible development of resistance to the active ingredient, even though the product is reasonably fit for the purposes stated in this label, and even though label directions are followed. Nufarm will replace, free of charge, any product which is found to have a manufacturing defect. To the extent permitted by law, all other warranties, guarantees, representations and conditions, whether expressed or implied by law, trade, custom or otherwise are expressly excluded.

When you use this product, you agree that neither Nufarm Limited nor any manufacturer of any component of the product will be liable for any damage, injury or loss including consequential loss which arises in any way from the storage, handling, or use of the product. This exclusion of liability includes loss caused by negligent acts or omissions of Nufarm Limited or any supplier or manufacturer of the product or any of their employees and agents.

Marketed by

Nufarm Limited
Central Park
Building 3, Level 4
666 Great South Road
Ellerslie
Auckland 1051, NZ
Telephone 0-9-270 4157
www.nufarm.co.nz



UN 3077
ENVIRONMENTALLY
HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (2,4-D)
Class 9, PG III, Marine Pollutant.