

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

# Baton®

## 800WSG



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**



**Net: 20kg**



**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 2nd 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   |
| 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   |

**HAZARD CLASSIFICATION**

6.1D, 6.3B, 6.4A, 6.5B, 6.9A, 9.1A, 9.2A, 9.3B



**TOXIC**

- Warning – Harmful if swallowed, inhaled or in contact with skin. Do not breathe or inhale particles of dusts or mists that may occur during the use.
- Causes mild skin irritation. May cause an allergic skin reaction. Causes eye irritation. Causes damage to organs through prolonged or repeated exposure.

**ECOTOXIC**

- 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.
- Toxic to terrestrial vertebrates.

**HANDLING PRECAUTIONS**

**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 1000kg require emergency response plans.

**PERSONAL PROTECTION**

- When handling wear eye protection, waterproof gloves, boots and overalls. Do not eat, drink or smoke while using. Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in well ventilated area. 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 appropriate landfill.

**First Aid:** If medical advice is needed, have the product container or label at hand. If swallowed contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. Rinse out the mouth. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with soap and running water. If splashed in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs or if eye irritation persists get medical advice. If inhaled move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Get medical advice if you feel unwell.

**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, as described in NZS 8409 Management of Agrichemicals, must be kept whenever Baton 800WSG is used.

**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®, Valdo 800WG®, Kamba® 500, 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.

**Resistant Weeds Warning:** 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 01 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/](http://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 at 100ml/ha. Archer 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, ox-tongue, parsley dropwort, penny cress, pennyroyal, pipiripi, 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:**

| CROP                                 | RATE kg/ha | NOTES   |
|--------------------------------------|------------|---|
| Wheat<br>Barley<br>Millet<br>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 Agritone 750.<br>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 Agritone 750 on spring sown oats.  |
| Pasture                              | 1-3        | Refer to Weeds Controlled Table for guidance.<br>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 trifoliolate 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.

| PROPER SHIPPING NAME  | HAZARD CLASS | UN No.      | HAZCHEM   | PACKING GROUP |
|---|--------------|-------------|-----------|---------------|
| <b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2,4-D 80%)</b> | <b>9</b>     | <b>3077</b> | <b>2X</b> | <b>III</b>    |

**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

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Approved pursuant to the HSN0 Act 1996, Approval Code HSR100573. See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.

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**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.

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