

DANGER | TOXIC ECOTOXIC
KEEP OUT OF REACH OF CHILDREN

ExtractaTM
Herbicides

2,4-D 720

Manufactured for Wholesale Seeds Ltd by:

Danken New Zealand Ltd

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Active Ingredient: Contains 720 g/L 2,4-D as the dimethylamine salt in the form of a soluble concentrate.

GROUP 4 HERBICIDE

PerformaTM
Crop Protection

For the control of broadleaf weeds in cereals and pasture.



READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Registered pursuant to the ACVM Act 1997, No. P10143
See www.foodsafety.govt.nz for registration conditions
Approved pursuant to the HSNO Act 1996, HSR007878
See www.epa.govt.nz for approval conditions



Batch No:

Date of Manufacture:

Net Contents:

20 Litres

Wholesale Seeds

5 Bryant Street, Ashburton | 03 307 9260 | Wholesaleseeds.co.nz

**PLEASE READ THE LABEL
COMPLETELY BEFORE USE**

HAZARD CLASSIFICATION

Acute Oral Toxicity Category 4, Eye Damage Category 1, Specific Target Organ Toxicity Repeat Exposure Category 1, Hazardous to the Aquatic Environment Chronic Category 2, Hazardous to soil organisms, Hazardous to terrestrial vertebrates.



QUALIFIED HANDLER:

This product must be under the control of a suitably approved qualified handler during mixing, loading and use.

RECORD KEEPING

If 3kg or more is applied within 24 hours in a place where the product is likely to enter air or water and leave the application area, a written record is required to be kept for each application.

DANGER: Harmful if swallowed. Causes serious damage. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects. Hazardous to soil organisms. Hazardous to terrestrial vertebrates.

ECOTOXICITY

Do not apply directly into or onto water. Use this product carefully. Do not contaminate aquatic environments with this product, spray drift or empty container. Spray drift or equipment contamination may cause serious damage to desirable plants. Do not allow spray drift outside the target area to occur. Avoid release into the environment other than for its intended use. Collect spillage.

PRECAUTIONS

PERSONAL PROTECTION:

Avoid contact with eyes and skin. Do not breathe mist or spray. When mixing or applying, wear overalls, boots, gloves and eye protection. Clean protective equipment daily after work. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work. Contaminated work clothing should not be allowed out of the workplace.

STORAGE:

Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, seeds, and fertilisers. Storage must be in accordance with NZS8409 Management of Agrichemicals.

EQUIPMENT:

Apply with well-maintained and calibrated spray equipment.

DISPOSAL

Dispose of this product only by using in accordance with this label, or at a suitable landfill.

Triple rinse container and add rinsate to the spray tank. Dispose of container to a suitable landfill or agricultural recycling scheme. Do not burn. Do not use container for any other purpose.

First Aid

If swallowed: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. **If inhaled:** Remove to fresh air and keep at rest in a position comfortable for breathing. **If skin or hair contact occurs:** Remove contaminated clothing and flush skin and hair with running water. If skin irritation or rash occurs: Get medical advice/attention. **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical immediate medical attention. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If medical advice is needed, have product container or label at hand.

Emergency Response

In a transport emergency call 111, Police or Fire Brigade. For specialist advice in an emergency only, call 0800 CHEMCALL (0800 243 622) (24 hrs).

Spillage

Exclude non-essential people from the area. Wear protective clothing and prevent material from entering waterways. Absorb spill with inert material such as soil, sand, etc, and place in waste container. Wash area with water, and absorb with further inert material. Dispose of safely to a suitable landfill.

Safety Data Sheet

Additional information is provided in the safety data sheet which is available from the distributor.

WARRANTY

This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

GENERAL INFORMATION

Extracta™ Herbicides 2,4-D 720 is a non-volatile selective herbicide for control of a range of broadleaf weeds in cereals and pasture. Use low rates on seedling weeds and higher rates on larger weeds or under dry hardened growth conditions. Avoid application whether the crop or weeds are under stress, e.g. drought or frost. Best results are obtained when weeds are in the seedling stage of growth and are actively growing.

APPLICATION

Extracta™ Herbicides 2,4-D 720 can be applied with conventional ground and aerial equipment. Use the higher rates for difficult to control perennial weeds.

Aerial: Use 30 -100 L of water per hectare. To minimize damage to susceptible vegetation within 500m, use low drift nozzles which minimize the production of small droplets (100 microns).

Boom: Use 200 -300 L of water per hectare in most situations. For hard to kill weeds use 200 -500 L of water per hectare.

Spot spraying – Handgun: Use 500 mL Extracta™ Herbicides 2,4-D 720 per 100 L water and ensure thorough coverage of the plant.

Spot spraying - Knapsack: For annual weeds use 55 mL per 15 L of water.

MIXING

Partly fill the spray tank with water. Add the required amount of Extracta™ Herbicides 2,4-D 720 into the partly filled tank and add the remainder of the water while agitating. Agitate thoroughly before and during spraying and before spraying after a stoppage.

COMPATIBILITY

Extracta™ Herbicides 2,4-D 720 is compatible with most commonly used herbicides.

RAINFALL

Do not spray if rain is expected within 6 hours of spraying.

SPRAYER DECONTAMINATION

Always wash spray tank and flush equipment thoroughly with clean water after use.

To avoid subsequent injury to sensitive crops, immediately after spraying thoroughly remove all traces of **Extracta™ Herbicides 2,4-D 720** from mixing and spray equipment by:

1. Drain the tank, then flush tank, booms and hoses with clean water.
2. Quarter fill the tank with clean water and add 500 g of an alkali detergent per 100 L water.

Circulate through the system for at least 15 minutes with agitation, then drain.

3. Drain the complete spray system.
4. Remove nozzles and filters and clean separately.
5. Finally, rinse the tank with clean water, flush through the hoses and boom, and allow all the equipment to drain.

DIRECTIONS FOR USE

Crop	Rate	Critical Comments
Barley, millet, ryecorn, wheat	1.1-1.7 L/ha	Apply from 6 leaf stage of crop to jointing (when nodes are visible at the base of the stem. DO NOT apply to barley or wheat between jointing stage and flowering. Spring sown cereals undergoing rapid growth should be treated with a MCPA formulation approved for use on cereals.
Oats	1.1 L/ha	Apply to autumn sown oats only and treat in the following spring when plants are fully tillered. For spring sown oats, use a MCPA formulation approved for use on cereals.
Pasture	1.7-3.4 L/ha	Use the lower rate for seedling weeds and small plants, the higher rate for more mature plants. Treat seedling weeds in late autumn or early winter. Graze area to be treated to expose weeds and reduce clover leaf. Then leave for 1 week to freshen up before spraying. As treated weeds are more palatable to stock, avoid grazing for 14 days after spraying.

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.

PASTURE MANAGEMENT

Extracta™ Herbicides 2,4-D 720 is damaging to clovers, particularly red, suckling and subterranean clover, and to plantain and chicory. To minimize pasture damage, graze pasture to reduce clover leaf and expose target weeds, and leave for one week to allow weeds to recover before spraying.

Do NOT spray hay or silage paddocks.

Buttercup is better controlled with MCPA. To improve control of thistles, add a clopyralid herbicide.

Note: clopyralid will severely suppress clovers, which may take 6-12 months to recover.

Bindweeds and Californian thistle will require repeat treatments.

New Pasture: Extracta™ Herbicides 2,4-D 720 can be used in newly established pasture, but the maximum application rate should not exceed 1.7 L/ha (or 1.1 L/ha if red clover has been sown). Clovers must be at least 3 trifoliolate leaves, and pasture must be grazed 3-7 days before application to remove foliage and minimize clover damage. Soils should have adequate nitrogen status. Clover growth will be suppressed for 3 -4 months.

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.

Weeds Controlled in Cereals: Fathen, hedge mustard, nettles, shepherd's purse, wild turnip (at lower rate), black nightshade, calandrinia, docks (seedling), thistles (at higher rate), chamomiles, cornbind, docks (regrowth), fumitory, spurrey, stinking mayweed, willow weed, wireweed, yarrow, vetch (checked at higher rate only).

Weeds Controlled in Pasture: A wide range of seedling weeds, including thistles and ragwort. However, larger weeds and established biennial weeds may not be well controlled. Perennial weeds will not be well controlled. The following weeds will not be controlled: Chickweed, cleavers, grasses, hydrocotyle, stinking mayweed, oxalis, prostrate amaranth, parley piert, pearlwort, sorrel, staggerweed.

Animal Safety: Poisonous plants such as ragwort may become more palatable after spraying. If concerned that stock health may be affected, stock should be kept away from the treated area until plants have died down. Delay grazing for two weeks after spraying to allow time for the herbicide to have maximum effect on the weeds.

RESISTANCE MANAGEMENT

Extracta™ Herbicides 2,4-D 720 is a **[GROUP 4] HERBICIDE**

Extracta™ Herbicides 2,4-D 720 contains 2,4-D from the phenoxy carboxylic acid chemical group with the action like indoleacetic acid (synthetic auxins) mode of action. Naturally occurring weed biotypes resistant to phenoxy carboxylic acids 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, slender winged thistle, and buttercup. To prevent or delay development of resistant biotypes, use **Extracta™ Herbicides 2,4-D 720** in tank mixture, or in rotation with herbicides of a different mode of action against the weed. Consult www.resistance.nzpps.org/ for alternative modes of action and details of resistance strategies (if any) for the crops listed on the label.

Grazing Restrictions Poisonous plants such as ragwort and others may become more palatable after spraying and livestock should be kept out until plants have died off. For animal safety reasons do not graze treated pasture for 2 weeks after application. This will also allow **Extracta™ Herbicides 2,4-D 720** to penetrate through the plant for maximum efficacy.