

# orion

 AGRISCIENCE**DANGER**

KEEP OUT OF REACH OF CHILDREN



# PQ200<sup>TM</sup>

## HERBICIDE

A water soluble, non-selective contact herbicide for the control of many annual and perennial grasses and broadleaf weeds in the situations stated on this label

**Active Ingredient:**

200g/litre paraquat as the dichloride salt in the form of a soluble concentrate

READ LABEL AND RESPONSIBLE HANDLING GUIDE FULLY BEFORE USE

**20 Litres**

## READ LABEL BEFORE USE

**HAZARD CLASSIFICATIONS:** Acute Inhalation Toxicity Category 1, Acute Oral Toxicity Category 3, Skin Irritation Category 2, Eye Irritation Category 2, Specific Target Organ Toxicity Repeat Exposure Category 1, Hazardous to the Aquatic Environment Acute Category 1, Hazardous to the Aquatic Environment Chronic Category 1, Hazardous to Terrestrial Vertebrates, Hazardous to Terrestrial Invertebrates

### DANGER

Fatal if inhaled. Toxic if swallowed. Causes skin irritation. Causes serious eye irritation. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Toxic to terrestrial vertebrates. Toxic to terrestrial invertebrates.

### PRECAUTIONS

Keep out of reach of children. Use outdoors only. Avoid contact with eyes and skin. Do not breathe in the spray mist. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Do not transfer this product into food or drinks containers, or into unlabeled containers.

### HANDLING REQUIREMENTS:

This product must only be handled, mixed and applied by a suitably qualified person as defined under the HPC notice 2017 Part 4C.

### RESPONSIBLE HANDLING

A guide to Responsible Handling of PQ 200 is available at <https://www.orionagriscience.co.nz/herbicides/pq200>. This information should be read and understood before use.

### USE RESTRICTIONS

No person can apply PQ 200™ HERBICIDE except for agricultural or biosecurity purposes. Agricultural purposes include use for agricultural and horticultural production purposes, including commercial forestry nurseries, commercial cropping systems and commercial ornamental horticulture production. It DOES NOT include forestry plantations, biosecurity purposes, amenity horticulture, and publicly accessible areas or horticulture which would otherwise be considered domestic properties. No person may use PQ 200™ HERBICIDE for biosecurity purposes without first obtaining permission from the EPA under section 95A of the HSNQ act 1996.

### TRACKING

This product must be tracked.

### CERTIFIED HANDLER

This product must be under the control of a certified handler or secured.

### WORKPLACE ONLY

This product is restricted to use in the workplace only.

### STORAGE

Store in the original container. Keep container tightly closed. Store locked up. Store in a well ventilated place. When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of product that is older than this.

### PERSONAL PROTECTION

When mixing, loading, applying, or entering a treated area, wear chemical resistant coveralls with hood tightly fitting at head, wrists and ankles, chemical resistant boots, chemical resistant gloves, eye protection and respiratory protection (organic vapour and particulate matter) complying with AS/NZS Standard 1716. Take off contaminated clothing and wash before reuse.

The Restricted Entry Interval (REI), during which personal protection must be worn when entering into a treated area, is 24 hours, and when sprayed foliage is dry.

### USE

Do not use with a mist blower or fogger. Apply with well maintained and calibrated spray equipment.

### DISPOSAL

Dispose of this product by using it in accordance with this label. Dispose of the container via AgRecovery after triple rinsing (use the rinsate for spraying). Do not burn. Do not use the container for any other purpose.

### ENVIRONMENTAL

Take all reasonable steps to ensure that this product does not cause any significant adverse effects to the environment beyond the application area. Ensure that the application area does not include bees that are foraging, or plants (including trees and weeds) that are likely to be visited by non-target invertebrate pollinators and are either in flower or part flower. Avoid applying when birds (and eggs) are present in the application area. Do not apply when wind speeds are less than 3 km/h or more than 20 km/h. Do not apply directly into or onto water. In the event of spillage, exclude non-essential people from the area. Wear protective equipment and prevent from entering drains. Contain and collect spillage for disposal.

### FIRST AID

If medical advice is needed, have product container or label at hand.

**IF SWALLOWED:** Rinse mouth. Get emergency medical help immediately.

**IF ON SKIN:** Wash with plenty of water. Get medical help.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if easy to do so. Continue rinsing. If eye irritation persists: Get medical help.

**IF INHALED:** Remove to fresh air and keep at rest in a position comfortable for breathing. Get emergency medical help immediately.

Get medical help if you feel unwell. For advice, call the Poisons Centre on **0800 POISON (0800 764 766)** or a Doctor.

### EMERGENCY RESPONSE

In an emergency call **111, Police or Fire Brigade**. For specialist advice in an emergency only, call **0800 CHEMCALL (0800 243 6225)** (24 hrs).

### SAFETY DATA SHEET

Additional information is provided in the safety data sheet. Freephone **0800 ORIONAS (0800 674 6627)** or visit [www.orionagriscience.co.nz](http://www.orionagriscience.co.nz)

### 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.

Registered pursuant to the ACVM Act 1997, No. P4582

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

Approved pursuant to the HSNQ Act 1996, No. HSR000828

See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.

™ASSETT, ATRAFLOW, PQ 200 and SIMATOP are Trade Marks of Orion AgriScience Ltd

®BANDIT is a Registered Trademark of Orion AgriScience Ltd

®BLADEX is a Registered Trademark of BASF

**Registrant:** Agsin Pte Ltd, Zagro Global Hub,

5 Woodlands Terrace, Singapore 738430

**Distributor:** Orion AgriScience Ltd, Unit 1,

15 Sir Gil Simpson Drive, Harewood,

Christchurch 8053

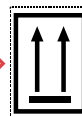
**0800 674 6627**

[www.orionagriscience.co.nz](http://www.orionagriscience.co.nz)



Scan to view Responsible Handling information

UN 3016  
BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC (PARAQUAT DICHLORIDE 28%)  
PACKING GROUP III  
HAZCHEM CODE 2X  
IN A TRANSPORT EMERGENCY, DIAL 111 POLICE OR FIRE BRIGADE.  
FOR SPECIALIST ADVICE IN AN EMERGENCY CALL 0800 CHEMCALL  
(0800 243 6225)



**orion** 0425  
AGRISCIENCE

Batch No:

Date of manufacture:

PQ 200™

**READ LABEL BEFORE USE****BUFFER ZONES:**

Application Method	Sensitive Receptor	Up to 2 Litres/ha	>2 - 3 Litres/ha
All ground based applications (excluding used of non-motorised handheld equipment)	Aquatic organisms	Nil	5m
	Non-target plants (non-threatened)	Nil	5m
	Non-target plants (threatened)	5m	5m
All aerial applications	Aquatic organisms	5m	15m
	Non-target plants (non-threatened)	40m	40m
	Non-target plants (threatened)	60m	100m

Method	Situation	Rate	Critical Comments
Handgun or knapsack	Barley grass control	300 mL / 100 litres of water	Spray when barley grass is at the green seedhead stage.
Boom	Clover seed crops (Grass suppression only)	1.5 - 2 litres/ha	Application should be made 2 weeks prior to closing the paddock. Irrigate where appropriate 1 - 2 weeks post application.
Handgun	Drainage banks	750mL / 100 litres of water	Spray weeds emerging from water only.
Boom	Lucerne crops	2 - 3 litres/ha	Spray when lucerne is dormant and weeds are young and actively growing. For residual control add Atraflow™, Simatop™, Assett™, or other appropriate herbicides.
Boom	Pasture renovation	1.5 – 2 litres/ha	Spray Autumn or Spring prior to reseedling. When there are high levels of perennial weeds, better results will be obtained using glyphosate.
As a directed spray	Strawberries, Vegetables, Tobacco (inter row only)	3 litres/ha	Use a low pressure nozzle with a shielded spray on weeds up to 7cm in height.
As a directed spray	Citrus or deciduous fruit orchards, Forest nurseries and vineyards	350 mL / 100 litres of water	Apply to young actively growing weeds. Spray should be directed at the base of trees or vines. Avoid contact with green bark or foliage. Tank mix with a suitable residual herbicide if required.

Do NOT exceed a single application rate of 3 L/ha. Do NOT exceed a maximum annual application rate of 3L/ha.

**GENERAL INFORMATION**

PQ 200 is non-residual and translocated, so foliage of plants should have complete coverage of spray solution to achieve best results. PQ 200 is inactivated by soil so plants should be clean of mud or dust at time of application and only clean water should be used.

**Weeds Controlled**

Most annual and perennial grasses except couch, paspalum and kikuyu. Clumpy grasses such as cocksfoot and tall fescue may have regrowth and require further treatment.

Most annual broadleaf weeds are controlled when young and actively growing, however regrowth will occur with perennial broadleaf weeds.

**DIRECTIONS FOR USE**

**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**

**Use of paraquat is only permitted for agricultural or biosecurity purposes**

**APPLICATION METHODS**

**BOOMSPray:** Use water volumes up to 300 litres/ha to ensure complete plant coverage.

**KNAPSACK, HANDGUN:** To ensure complete coverage of plants, use equipment and pressure that does not induce misting.

Application must be by a coarse quality spray for ground-based application and coarse to very coarse droplets for aerial application - as classified by the American Society of Agricultural & Biological Engineers (ASABE) droplet size classification scheme (American National Standard ANSI/ASABE S572.1).

**MIXING**

Half fill the spray tank with water, then add PQ200. Agitate thoroughly while filling tank with water. When mixing with other herbicides, add PQ200 after other water soluble and after flowable products, e.g., Atraflow.

**COMPATIBILITY**

Can be tank mixed with Bandit™, Atraflow and other residual products such as Assett, Simatop and Bladex® 90WG.

**RAINFALL**

PQ 200 is rainfall within 20 minutes of drying on the plant.

**RESISTANCE MANAGEMENT**

GROUP	22	HERBICIDE
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PQ 200 contains paraquat which belong to the bipyridyliums chemical family. Some naturally occurring weeds may become resistant when excessive use of the same herbicide occurs. To prevent or delay the development of resistance, use in tank mixes and/or rotate use with herbicides with a different mode of action. Consult <http://resistance.nzpps.org/index.php> for alternative modes of action and details of resistance management strategies (if any) for the crops listed on the label.