Paraquat + diquat herbicide use patterns for Potatoes

Please complete this form and email to [Rebecca@solutionz.co.nz](mailto:Rebecca@solutionz.co.nz) by Sunday 13th August.

The NZ Environmental Protection Authority (EPA) has a programme of reassessing agrichemicals to determine if the risks associated with use outweigh the benefits. The EPA is going to reassess herbicides containing **paraquat and diquat**. Their concern is that there are unmanaged human health and aquatic environment risks. The EPA will involve WorkSafe to look at risks to workers. To ensure the EPA undertakes an accurate assessment they need information on use and benefits to present to decision makers with their proposals.

The following herbicides will be reviewed:

|  |  |  |
| --- | --- | --- |
| **Active** | **Trade names** | **Registered label claims Crop/s / use situation relating to potatoes** |
| **Paraquat and diquat** | *Speedy, Preeglone, Kuatout* | before cultivation / sowing / transplanting / crop emergence, inter row in vegetable crops, drains, drain banks and waterways |
| **Paraquat** | *Paraquat (various trade names), PQ 200, Gramoxone, Flash, Parable, Genfarm, Uniquat* | drain banks, vegetables |

Name of grower:

Please fill in the table (italics are examples to help with your answers. answers will be collated and individual answers won’t be identified):

| Product used? | Crop used in and weeds  controlled? | Application | | | | | | PHI / WHP  (days) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Method? | Growth stage & season | Number | Interval | Product rate L/ha? | water rate L/ha? |
| *Trade name/s* | *Potatoes - before planting, control of annual and perennial weeds* | *high, low volume spray, boom, aerial, row, knap sack + state equipment used, sprayer type, size of tank, droplet size* | *bare soil, spring* | *min and max* | *between applications* | *according to label?*  *min and max* | *according to label?*  *min and max* | *according to label? / n/a?* |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

**Use and application information** *(if you do not know the answer please leave blank)*

1. Who is the user (e.g. grower/contractor)?
2. What other products are used in the tank (e.g. wetting agents / additives)?
3. Typical area treated per day (e.g. 20ha can include a range) and typical time taken (i.e. how long does it take to spray 1 ha)?
4. Typical amount of product handled?
5. Is Personal Protective Equipment (PPE) worn, including Respiratory Protective Equipment (RPE)?
6. Are any re-entry intervals (i.e. time after application where people are excluded from the area) used? If yes state time in hours
7. Any other safety precautions used to protect human health or the environment (e.g. biological monitoring, signage, neighbour notification)?

**Benefits and alternatives**

1. Benefits of these products and possible effects of them becoming unavailable? *E.g. resistance, unable to control weeds leading to unproductive land and uneconomic to continue to produce your crop?*
2. Availability of alternatives and reasons for choosing to use paraquat over alternatives?
3. Please provide any other relevant information