

# **ZERODRIFT™**

## **IMPORTANT FACTORS**

### ***Application Timing***

Timing, spraying and all other application details should be carried out in accordance with the pesticide or herbicide label directions. Optimum conditions are not always achievable, therefore timing + directions + **ZERODRIFT™** will equal the best results possible.

### ***Application Rate***

**ZERODRIFT™** should be used at the recommended 1000:1 to 3000:1 in the final spray solution. The quantity of **ZERODRIFT™** used is determined by the volume of water and not by the application rate of the pesticide / herbicide.

### ***Compatibilities***

At the date of writing, most weed killers and Pesticides / Herbicides / Insecticides can be used with **ZERODRIFT™**: -

Glyphosate, (Roundup)

Paraquat, Diquat and the combined mixture.

Amicide 500 – Atrazine

Diuron

Estercide 2.4D

M.C.P.A 500 DICAMBA

C.M.P.P

Dicamba + M.C.P.A. + C.M.P.P

Trifluralin

Sumicidin

- Do not add water to **ZERODRIFT™** ~ Always add **ZERODRIFT™** while agitating water
- Do not use **ZERODRIFT™** for potato desiccation with diquat
- Do not use on crops not listed on pesticide labels
- Do not overdose your mixture with **ZERODRIFT™** ~ More is not better
- When used as recommended **ZERODRIFT™** shows no reduction or loss of efficacy

# Factors Affecting Droplet Migration

The magnitude of spray drift is dependent on many factors, eg.

- Wind speed
- Terrain
- Crop canopy
- Boom height
- Nozzle size
- Pressure
- Spray quality
- Formulation

Changing any of these factors may be detrimental for both economical and efficacious reasons with respect to spray droplet spectrum. However, small droplet production and hence drift can be reduced by the following sensible mechanical/physical means:

- 1 Choose good quality nozzles that have high VMD (volume median diameter).
- 2 Use as large a droplet as possible to provide adequate coverage, but do not compromise label recommendations.
- 3 Use as low a spray pressure as possible.
- 4 Increase water volume and nozzle size where practical.
- 5 Lower the boom height. Wind speed increases dramatically up from the crop.
- 6 Spray the target area when the wind speed is optimal, (3-6.5 km/h), but not when completely calm or an inversion exists.
- 7 Use Zerodrift™!

ZERODRIFT™ is a specially designed long chain polymer. It has been scientifically manipulated to achieve the right balance, so that it does not create filaments when added to water; the spray liquid is still able to break up into individual droplets, but these are of a more consistent particle size. The number of very fine drift-able droplets is significantly reduced.

## *Mixing Sequence*

### **FILLING DIRECTLY INTO THE SPRAY TANK**

- 1 Half fill the spray tank with clean water.
- 2 Remove the filter basket.
- 3 Shake container thoroughly, fully inverting the **ZERODRIFT™** container several times.
- 4 Add **ZERODRIFT™** slowly “in a pencil thin stream” to the spray under vigorous agitation.
- 5 Replace the filter basket
- 6 Add the pesticide/herbicide
- 7 Top up the spray tank with water to desired formula mixture.

### **FILLING VIA THE INDUCTION BOWL**

- 1 Fill induction bowl with water.
- 2 Shake container thoroughly, fully inverting the **ZERODRIFT™** container several times.
- 3 Add **ZERODRIFT™** slowly “in a pencil thin stream” to the induction bowl and flush through with the desired amount of water.
- 4 Repeat steps 1 to 3 as necessary to obtain the 2000:1 or 3000:1 spray solution.

*REMEMBER never to add more **ZERODRIFT™** than required. **More is not better.** Product costs are important to you and, after exhaustive testing, the quantities specified for **ZERODRIFT™** are accurate to achieve optimum performance.*

**DO NOT LEAVE THE MIXTURE TO STAND IN THE INDUCTION BOWL.**

Doing so can compromise the final solution quality.

After mixing is complete, continue agitation for 2-3 minutes before using until fully dispersed.

## ***Cautions***

- 1 DO NOT EXCEED THE STATED DOSE. Overdosing will severely distort the spray pattern and may lead to an uneven application gel forming on the filter basket which may result in a blockage.
- 2 Always pour **ZERODRIFT™** directly into the water avoiding contact with the spray tank surfaces.
- 3 Drain container thoroughly and wash out with water whilst shaking vigorously.
- 4 Always follow the mixing sequence.
- 5 Wash any vessels with a non-ionic wetting agent or detergent water solution.
- 6 NEVER ADD WATER TO **ZERODRIFT™**.
- 7 Do not use with any wettable powder, formulations, suspended concentrations or dispersible grain formulations without prior consultation with your supplier.
- 8 Always follow the pesticide label.
- 9 Do not use with herbicides on crops where the waxy layer is necessary to protect the crop from herbicide damage e.g. beans, peas, onions etc.
- 10 Do not add to premixed pesticides in the spray tank.

## ***Storage***

**ZERODRIFT™** should be stored in a dry cool place.