



WARNING

KEEP OUT OF REACH OF CHILDREN

DU-WETT[®] SUPER-SPREADER

Adjuvant

To enhance the spreading and foliage deposition of fungicides, insecticides, foliar nutrient products and certain contact and selective herbicides in low water rate, concentrate spraying

Active ingredient

Contains a proprietary ORGANOSILICONE/ORGANIC fluid blend

 contents: 1-20 L

Bar code to be inserted



Read the label carefully and shake well before using.

Hazardous to terrestrial vertebrates



WARNING

Harmful if swallowed or inhaled.
Causes serious eye irritation.
Toxic to aquatic life with long lasting effects.
Hazardous to terrestrial vertebrates.

PRECAUTIONARY STATEMENTS

PREVENTION

Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Avoid breathing spray.
Use only outdoors or in a well-ventilated area.
Wear eye protection.

Do not apply directly into or onto waterbodies.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

RESPONSE

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

Rinse mouth.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice.

Collect spillage.

STORAGE

Store in original container tightly closed and in a locked, dry, cool, well-ventilated area, away from feed, seeds and foodstuffs. Storage must be generally in accordance with NZS8409 Management of Agrichemicals. See haznote for further information.

DISPOSAL

Dispose of contents/container in accordance with local regulations.

Container disposal: Ensure the container is empty. Triple rinse empty container and add rinsate to the spray tank. Recycle empty container through Agrecovery® (0800 247 326, www.agrecovery.co.nz). Otherwise crush and bury in a suitable landfill. DO NOT reuse this container for any other purpose.

Product disposal: Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.

FIRST AID

If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin, hair or eye contact occurs, remove contaminated clothing and flush skin, hair and/or eyes with running water for several minutes.

SAFETY DATA SHEET

If additional hazard or safety information is required, refer to the Safety Data Sheet. For a copy visit our website at www.upl-ltd.com/nz.

EXCLUSION OF LIABILITY – PLEASE READ

Label – Back

To the extent permitted by law, buyers and/or users of the goods accept that neither the manufacturer, UPL New Zealand Limited as distributor, nor any other distributor have any liability or responsibility whatsoever for any loss, damage or injury whether in contract or tort, whether direct, indirect or consequential howsoever arising in connection with the supply of these goods.

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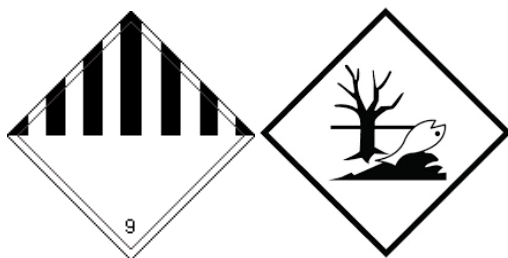
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Batch number:	
Date of Manufacture:	

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

UN 3082
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains siloxane polyalkyleneoxide copolymer)
MARINE POLLUTANT
PACKING GROUP III, HAZCHEM 3Z



GENERAL INFORMATION

DU-WETT is a non-ionic organosilicone surfactant blend designed specifically for the application of fungicides, insecticides, foliar nutrition and certain contact and selective herbicides. **DU-WETT** lowers the surface tension of spray solutions well below commonly used surfactants, but, unlike most other silicone super-wettters, when used at recommended rates, **DU-WETT** will not cause stomatal infiltration which can cause plant damage through unwanted uptake of chemicals, solvents and/or excessive spray water. Use of **DU-WETT** as recommended will result in better and more uniform coverage, higher retention of agrichemicals, and also reduced drift by up to 25%. **DU-WETT** is particularly suited to low volume spraying including aerial applications.

DU-WETT is partially resistant to light rainfall only. If rain or overhead irrigation is likely to occur within 5 days of treatment, substitute **DU-WETT** with **BOND® XTRA** or **DU-WETT WeatherMAX®** at double **DU-WETT** chart rates in the same low water volumes. These latex-based super-spreaders will improve rain resistance and reduce wash-off.

DIRECTIONS FOR USE

DU-WETT will give best results in low volume spraying – around 25% or less of the normal volume of water when sprayed to run-off (depending on crop type). High water volumes with **DU-WETT** will result in excessive run-off of spray liquid and poor results. Adjust the water volumes, to obtain thorough coverage without excessive run-off. The rate charts will serve as a guide.

RECOMMENDATIONS

Adjuvants contained in agrichemical formulations can be antagonistic to **DU-WETT** by reducing spreading. As more products are added to the spray tank, antagonism increases. Higher rates of **DU-WETT** must be used to overcome this antagonism. The charts set out below will serve as a guide to tank mix rates of **DU-WETT**. **BOND XTRA** or **DU-WETT WeatherMAX** should be used at double these rates.

CROP TYPE	RATE CHART		Total kgs or L of chemicals being applied/ha								
	Sprayer type	Water L/ha	1	2	3	4	5	6	7	8	9
			Rate of DU-WETT required, in mL/ha								
Vegetables & arable											
Hard to wet	Ground or Aerial	50-250	200	225	300	375	450	500	550	600	
Easy to wet		50-100	100	125	200	250	300	325	350	375	400
Vine & bramble											
Hard to wet (e.g., grape bunches, berry fruit)	Air Assist	200-250	400	450	500	550	600				
Easy to wet (e.g., grape foliage, berry leaves)		100-250	150	200	250	300	350				
Apples, pears, stonefruit	Air Assist	See below	200		250	300	350				
Avocados* & citrus*			200		200	200	400				

*Avocados, citrus: If using over 800 L/ha concentrate, add extra 25 mL **DU-WETT** to each extra 100 L/ha

CROP CHARACTERISTICS

CROP TYPE	WETTING CHARACTERISTICS	CROPS AND COMMENTS	
Arable crops	Hard to wet	Brassicas, peas, cereals, pasture, clover, lucerne, etc.	
Vegetables	Hard to wet	Brassicas, carrots, onions, tomato (fruit), etc.	
Vegetables & arable	Moderately hard to wet	Squash, pumpkin, cucumber, beets, broad beans, etc.	
Vegetables & arable	Easy to wet	Potatoes, tomato (leaves), lettuce, beans, etc.	
Vine & bramble	Hard to wet	Grape (bunches), berry fruit (brambles) and black currant fruit etc.	
Vine & bramble	Easy to wet	Grape leaves, berry fruit leaves (brambles) and black currant foliage, etc.	
Apples, pears, stonefruit	Moderately hard to wet	Water volume 200–400 L/ha (5X conc). See apple notes below for mealy bug control at green tip	
Avocado	Moderately hard to wet	Spray 3X concentrate in 1/3 normal water (*see note under rate chart)	Penetration into crop canopy essential
Citrus	Moderately hard to wet	Spray 5X concentrate in 1/5 normal water (*see note under rate chart)	

Use the lower water volumes when crop canopy is small or light. Use the higher water volumes on larger, dense canopies. Consult your UPL New Zealand Distributor for the latest information.

KIWIFRUIT

CROP STAGE	DU-WETT RATE ML/HA	MAXIMUM WATER RATE L/HA
Dormant (bare canes)	500	700 (500 best practice)
Green tip through early spring	400	700 (500 pest practice)
Pre-flowering and full canopy	400	1000 (700 pest practice)
Post-harvest to leaf drop	500	1000 (700 best practice)
Post leaf drop scar protection	750	700 (500 best practice)

KIWIFRUIT NOTES

1. The above recommendations are based on 2X concentrate spraying
2. Using higher water rates, or **DU-WETT** rates higher than those shown above, can lead to excessive run-off and waste.
3. If wet weather is expected within 5 days of application, substitute **DU-WETT** with **DU-WETT WeatherMAX** at double the **DU-WETT** rate above e.g., 400 mL **DU-WETT** = 800 mL **DU-WETT WeatherMAX/ha**. Not necessary for rainfast copper sprays on kiwifruit

APPLE NOTES

Mealy bug control (2 spray programme)

1. Green tip: Use 1000 L water with 2% oil (including 1% **OIL-MATE**[®]) with 500 mL **DU-WETT**/ha
2. Pink: Use 1000 L water with **OVATION**[®] 50WDG PLUS **DU-WETT** at 250 mL/ha.

HERBICIDE NOTES

1. **Crop desiccation - Potatoes, peas, oil seed rape, etc.**
Use **DU-WETT** with recommended label rates of diquat in 100–200 L water/ha.
Refer to above use rates chart for arable crops – hard to wet.
2. **General purpose - Burn-off with paraquat or paraquat/diquat mixtures**
Use **DU-WETT** with recommended label rates of paraquat in 100–200 L water/ha
Use **DU-WETT** chart rates for arable crops – hard to wet
3. **Selective herbicides**
(a) Fodder beet:
Use **DU-WETT** with certain early post-emergence herbicides at the recommended herbicide rates in 100–150 L water at the chart rate for arable crops – hard to wet. If a penetrant is also recommended this may be reduced to half rate due to increased coverage
(b) Other crops (cereals, forage brassicas, onions, etc.):
DU-WETT has been used with certain selective herbicides whenever better spreading is required on the target weed. Use the chart rate for arable crops – hard to wet in 150–200 L water/ha. Test a small area for crop safety before widescale use.

OVERALL NOTES

1. Optimum spreading and wetting from **DU-WETT** will occur between pH 5 and pH 9. Spray mixtures above and below these figures should be adjusted to be within the correct pH range to avoid breakdown of the **DU-WETT**. **DU-WETT** may be used with **Li-700**[®], **Li-1000**[™] or **VALIDATE**[®] to optimise leaf penetration (refer to the mixing product label for constraints on use). Add an extra 100 mL **DU-WETT**/ha to the chart rates above when these products are in tank mix.
2. Not all formulations of agrichemicals behave the same with **DU-WETT**. Consult your UPL New Zealand distributor or the **DU-WETT** spray charts for the latest information on individual product spread antagonism before using new tank mixtures.
3. **DU-WETT** has demonstrated good plant safety. However, not all plants and spray mixtures have been tested. Treatments that have a potential for phytotoxicity could be aggravated by **DU-WETT**. Before treating large areas, a small area should be tested, and the results observed.
4. Do not add any other adjuvants to **DU-WETT** other than those products named on this label.
5. If rain or overhead irrigation is expected within 5 days of spraying, use **DU-WETT WeatherMAX** or **BOND XTRA** instead of **DU-WETT**, at double the above chart rates, for improved rainfastness.
6. DO NOT USE ON ANY ORNAMENTAL CROP INCLUDING THOSE GROWN FOR CUT FLOWERS, FOLIAGE AND NURSERY PLANTS.

MIXING

1. Fill spray tank half full with water and begin agitation.
2. If foaming is expected, add **FoamMaster**[®] anti-foamer to the half-full tank before adding the agrichemicals.
3. Add agrichemicals and foliar nutrients as directed on their respective labels. Maintain agitation.

4. SHAKE **DU-WETT** CONTAINER THOROUGHLY and add the required amount AFTER all the agrichemicals are thoroughly mixed in the tank.

GROUND AND AIR APPLICATIONS

Add total kilograms and litres (1 L + 1 kg = 2 etc.) of formulated chemicals being applied (per hectare rate) and refer to that column, in the chart below, for the **DU-WETT** rate required per hectare for your specific crop target.

COMPATIBILITY

DU-WETT is compatible with most commonly used fungicides, insecticides and plant growth regulators. Du-Wett will break down rapidly when mixed with highly acidic (pH<5) or highly alkaline (pH>9) chemicals and poor wetting may result.

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