



# PESTICIDE AND SURFACTANT

# RELEVANT SUBSTANCES

Alcohols, C10-16; ethoxylated, sulphates; sodium salts > 10 %; Alcohol ethoxylate (non-ionic surfactant) > 5 %; Orange oil > 5 %; Sodiu hydroxide > 0.5 %

IN CASE OF INHALATION:

If breathed in, move person into the fresh air. If not breathing give artificial respiration. In case of discomfort seek medica attention.

· IN CASE OF SKIN CONTACT:

Remove contaminated clothing; wash affected area with water for 15 minutes. In case of discomfort or irritation seek medical

. IN CASE OF EYE CONTACT:

Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. Seek medical advice if symptoms or irritation persist.

IN CASE OF INGESTION:

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention if you feel unwell.

## Registration Holder:



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Date manufactured: see bottom of box Expiry date: see bottom of box Batch No.: see bottom of box UN No.: Not Regulated

# **WETCIT**

# PESTICIDE AND SURFACTANT

- MAY CAUSE AN ALLERGIC SKIN REACTION
- CAUSES SERIOUS EYE IRRITATION.
- HARMFUL IF INHALED.
- HARMFUL TO AQUATIC LIFE
- STORE IN A COOL, DRY PLACE AWAY FROM FOOD AND
- · RE-ENTRY: Do not enter the treated area before the spray deposit has dried unless wearing protective clothing
- Keep out of reach of children, uninformed persons, and animals

### PRECAUTIONS

- DO NOT EAT, DRINK OR SMOKE WHEN USING THIS
- WASH AFTER USE.
- AVOID RELEASE TO THE ENVIRONMENT
- WEAR EYE PROTECTION.
- IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ ATTENTION.
- IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.
- Wash contaminated clothing daily
- Do not eat, drink, or smoke whilst applying or preparing the spray mix, or before washing your face and hands.
- Prevent drift of spray mist onto other crops, grazing, rivers dams, and areas not under treatment.
- Clean applicator after use and dispose of water where it will not contaminate rivers, dams, grazing, and crops.
- Prevent contamination of food, feeds, drinking water, and eating
- Empty all pesticides from the container by placing it upside down over the spray tank and holding it there for at least 30
- Triple rinse statement:
  - Fill empty container with one quarter of clean water
- Shake for 30 seconds
- Decant into spray tank for 30 seconds
- u-ueant into spray tank for 3U seconds

  NEVER USE THE CONTAINER FOR ANY OTHER

  PURPOSE. Puncture the rinsed container to render it

  useless and send it to a CropLife SA-approved recycler. PET

  containers cannot be recycled and must be incinerated after

  cleaning.

# USE ONLY AS DIRECTED

# PESTICIDE

- When applied at rates of 200 mℓ / 100 ℓ and higher WETCIT® DUO is a contact pesticide with no residual activity
- Orange oil breaks down protective layers on insects, mittes and external mycelia of fungi. Physical disruption and breakdown of the
  protective layers occur only upon direct contact while the spray residue remains wet and results in the desiccation of the organism.

# ADJUVANT

- At rates of 15-200 mt / 100 f WETCIT® DUO drastically reduces the surface tension of water through the action of the non-io surfactant. This ensures even spreading of the spray mixture on the plant surface.
- The orange oil component assists with the wetting of hydrophobic surfaces of insects, mites and fungi and with wetting of hairy and waxy plant surfaces, such as onions, cole crops and certain weeds.

#### USE ONLY AS DIRECTED ONLY SUITABLE APPLICATION EQUIPMENT MUST BE USED GROUND APPLICATION

- EVEN DISTRIBUTION OF DROPLETS IS OF THE UTMOST IMPORTANCE FOR ALL APPLICATIONS
- Ensure that both surfaces of the leaves (top and bottom) are thoroughly wet, up to just before the point of run-off. When used as a pesticide it is essential that the spray solution makes direct contact with the target organism during application.

# COMPATABILITY

- Do not add any surfactants to the spray mixture when applying WETCIT\* DUO. Buffers or addiffers can be used with a WETCIT\* DUO pipication. In such a case the buffer or addiffer must be added first, followed by the chemicals and then WETCIT\* DUO at the end, just before reaching the final volume in the spray tank.
- WETCIT® DUO is compatible with most crop protection products and foliar fertilizers.
- In case of doubt do not mix WETCIT® DUO with other products unless prior tests including compatibility and phytotoxicity tests have shown the combination to be physically compatible, effective and non-injurious to the target crop under local conditions.
- A phytotoxicity test must also be done if visible residues of previously applied crop protection chemicals or foliar fertilizers are present on fruit as these may be loosened by
- the WETCIT® DIO application and washed down to collect in a droplet thus increasing the risk of phytotoxic blemishes on the fruit.
- If in doubt, consult the technical representative of the
- In the event of any of these prescriptions not having been followed, the manufacturer and its distributors accept no responsibility for any possible damage or harmful consequences that may ensue.
- Although WETCIT\*DIO has been exempled from maximum residue levels (MRL) and has no pre-harvest withholding period, consult the labels of tank-mix products to ensure adherence to withholding periods between the last application and harvest periods of these products.

#### IMPORTANT GUIDELINES USE ONLY AS DIRECTED

- The surfactant properties of WETCIT® DUO may result in dislodging residual spray material in the spray tank and hoses. Ensure that the spray tank and hoses are properly cleaned before applying WETCIT® DUO.
- Do not apply WETCIT® DUO over the crop in equipment that has previously been used for herbicides.
- Do not use WETCIT® DUO on pear fruit, table grape bunches or persimmon fruit during the period from blossom to harvest.

# **DOSAGE RATES**

### ALL CROPS SURFACTANT USE APPLICATION RATE 15-50 ml per 100 l water · Applications that require normal wetting Applications that require above average wetting or to enhance the efficacy of pesticide When using WETCIT® DUO in an adjuvant role, do not exceed 100 ml/hl on citrus crops. eg. cruciferae, onions and citrus Applications that require above average wetting to improve control of problem insects. per 100 ℓ water 200 ml eg. mealybug and scale GARDENS Applications that require normal wetting HERBICIDE USE APPLICATION RATE Use the higher rate on weeds that are difficult to control or in applications using less than 200 lof water see heaters.

PESTICIDE USE		
CUCURBITS		
PEST / DISEASE	APPLICATION RATE	REMARKS
Whitefly Bemisia tabaci	0.5 & WETCIT® DUO per 100 & water 0.5 % solution	<ul> <li>Applications should start within three weeks after emergence of seedlings and continued as a weekly spray programme (7-day intervals) as long as needed.</li> </ul>

• In mixtures with herbicides WETCIT® DUO must be applied at a minimum dosage of 200 ml per hectan

audam Mildau	0.5 € WETCIT® DUO		DO NOT SPRAY TO THE POINT OF RUN-OFF
			all times.
		•	Thorough wetting of both sides of the leaves must be ensured

- per 100 ℓ water Sphaerotheca fuliginea 0.5% solution
  - RECOMMENDED SPRAY VOLUME: 500 l/ha

CITRUS PEST / DISEASE	APPLICATION RATE	REMARKS
	0.1 € WETCIT® DUO + 150g manoczeb 800WP + 20-30 mt azovystrobin 250SC OR 10 mt pyraclostrobin 250EC per 100 € water	A preventative programme for the control of citrus black spo should commence with a mancozeb 800WP application (at registered) at fruit set.  Apply the first WETCIT® DUO + mancozeb 800WP azoxystrobin 250SC or pyraclostrobin 250SC application, and follow up with a second WETCIT® DUO + mancozeb 800WP azoxystrobin 250SC or pyraclostrobin 250SC application, and follow up with a second WETCIT® DUO + mancozeb 800WP application 6 weeks later.  Complete the program with a mancozeb 800WP application of weeks registered) no later than 6 weeks after the second WETCIT® DUO + mancozeb 800WP - azoxystrobin 250SC opyraclostrobin 250SC oppraclostrobin 250SC of conditions are favourable for black spo development or high infection levels were experienced the previous season.  NOTE: Consult the mancozeb 800WP, azoxystrobin 250SC opyraclostrobin 250SC blebs for details.
Citrus Black Spot Guignardia citricarpa	0.1 & WETCIT® DUO + 150g mancozeb 800WP per 100 & water	Apply not later than 24 days after the mancozeb 800WF application at petal drop (as registered) and repeat 4-5 times a 24 day intervals.      NOTE: Consult the mancozeb 800WP label for details.
	0.1 ¢ WETCIT* DUO + 200g mancozeb 800WP + 50g benomyl 500WP per 100 ¢ water	Only use benomy! 500WP in orchards where benzimidazole resistance is absent.  Precede the WETCIT* DUO * manozzeb 800WP benomy! 500WP application with an application of manozzeb 800WP at 200g ! 100 t of water (as registered) in the last week of October.  Apply one WETCIT*DUO * manozzeb 800WP * benomy! 500WF application as a full cover spray between the 1st and 20st of December.  If obtaining sufficient fruit cover is a concern, two sprays of WETCIT* DUO (0.1 t) * manozzeb 800WP (200g) * benomy! 500WP [25 g] * 100 t water) can be applied during the lash alf of November and the first week of January respectively.  NOTE: Consult the manozzeb 800WP and benomy! 500WP labels for details.
CITRUS		CONTINUED
PEST / DISEASE  Citrus Thrips Scirtothrips aurantii	APPLICATION RATE  0.2¢ WETCIT* DUO per 100 t water 0.2% solution	Apply between 80% and 100% petal drop as preventative application. Since WETCIT® DUO is not restricted by a pre-harvest interva or maximum residue level, the product can be used as a late corrective application up to harvest, once fruit has fully coloured up.
Red Scale Aonidiella aurantii	0.2 - 0.4 € WETCIT* DUO per 100 € water 0.2 - 0.4 % solution	The use of WETCIT*DUO for the control of Red Scale should only commence once fruit has fully coloured up.
Citrus Red Mite Panonychus citri	0.2€ WETCIT® DUO per 100€ water 0.2% solution	Apply when the first signs of a red mite infestation are observed.     A repeat application 5 to 7 days after the first are recommended.
Do not apply WETC and including full co		exceeding 100 mℓ/hℓ in the period from 100% petal fall up to
GRAPES	WINE GRAPE	S · ROOTSTOCK MOTHER PLANTATIONS · NURSERIES
Mealybug Planococcus ficus	0.5 ¢ WETCIT* DUO per 100 ¢ water 0.5% solution	REMARKS  • Monitor for mealybug movement and start spray application against mealybug as soon as crawlers are observed on shoots or leaves. Repeat application after 7 days if further crawler movement is observed.  • Ants must be controlled separately before mealybug control is done.  • RECOMMENDED SPRAY VOLUME: 750 t/ha to 1000 t/ha depending on vine size.
Powdery Mildew Uncinula necator	<b>0.25 - 0.5¢ WETCIT* DUO</b> per 100 <b>t</b> water 0.25 - 0.5% solution	A programme for the control of powdery mildew should commence when the longest shoots reach a length of 2-5 cm. Use conventional residual fungicides up to flowering. The optimal window for use of WETCIT* DUO will be after flowering up to harvest or during the period when mealy bug crawler movement is expected (see mealybug recommendation).  Apply WETCIT* DUO at 7-10 day intervals as part of a powdery mildew control program, alternating with products with different modes of section. WETCIT* DUO has a non-specific contact action against powdery mildew.  Preferably use a disease forecasting model as well as disease history of the larget vineyard as a guideline to assess risk or disease. If this information indicates four disease pressure and when they are disease pressure and without price of the control of
<b>Downy Mildew</b> Plasmopara viticola	0.5¢ WETCIT* DUO per 100 t water 0.5% solution	A programme for the control of downy mildew should commence when the longest shoots reach a length of 10 cm. Use conventions residual Integlicides for preventative control of downy mildew.  If WETCIT*DUO is applied at 500 m/t 100t for mealybug or downy mildew, this spray will also control downy mildew which may be present at the time.  If infection periods for downy mildew are expected after application of WETCIT* DUO, it should be combined with a preventative residual fungioid as registered.  Ensure thorough wetting of underside of leaves.  RECOMMENDED SPRAY VOLUME: 750 t/ha to 1000 t/ha depending on vine size.

LETTUCE DEST/DISEASE	APPLICATION RATE	WESTERN AND SOUTH CAPE REGIONS ONI
PEST/DISEASE	APPLICATION RATE	
Downy Mildew Plasmopara viticola	0.5 € WETCIT® DUO per 100 € water 0.5 % solution	Start applying at first signs of disease. A spray programme with 3 - 7 day intervals is recommended. Thorough wetting of both sides of the leaves must be ensured at times.  DO NOT SPRAY TO THE POINT OF RUN-OFF. In event of extreme diseases infections levels, the addition o suitable residual fungicide (as registered) will be required.
		RECOMMENDED SPRAY VOLUME: Not less than 500 ℓ/ha
MACADAMIA NUTS		
PEST / DISEASE	APPLICATION RATE	REMARKS
Felted Coccid Acanthococcus ironsidei	0.25 ¢ WETCIT* DUO per 100 ¢ water 0.25% solution	Monitor crawler movement with double sided sticky tape ban and do the first application at the beginning of crawler moveme Repeat at 14 day intervals. A reduction of > 80% in craw numbers can be expected after 5 applications.
ORNAMENTALS ANI	D ROSES	
PEST/DISEASE A		REMARKS
Thrips spp. Thripidae spp. Aphids Macrosiphum rosae  Red Spider Mite Tetranychus urticae  Whitefly Bemisia tabaci  Leaf Hoppers Jassid spp.  Powdery Mildew Sphaerotheca fuliginea	0.5 ¢ WETCIT* DUO per 100 t water 0.5% solution	A spray programme with 3 - 7 day intervals is recommended. Thorough wetting of both sides of the leaves must be ensured at it times. Do a small scale phytotoxicity test on varieties known to be sensitive or prone to phytotoxicity or on newly develope varieties. DO NOT SPRAY TO THE POINT OF RUN-OFF. RECOMMENDED SPRAY VOLUME: Not less than 250 l/ha
TOMATOES  PEST / DISEASE	APPLICATION RATE	REMARKS
Whitefly  Bemisia tabaci	0.5¢ WETCIT® DUO per 100 t water 0.5% solution	Application should start within three weeks after transplanting are continued as a weekly spray programme (7-day intervals) as long a needed. Ensure thorough wetting of both sides of the leaves at all times. DO NOT SPRAY TO THE POINT OF RUN-OFF. This treatment for whitefly will enhance the control of early an or late blight, when combined in a tank mixture with a register fungicide for blight control. The treatment for whitefly will also control aphids and red spid mites present during an application.  RECOMMENDED SPRAY VOLUME: 5001/ha, from flowering the control of the programment of the control o

RATES FOR BACKPACK SPRAYERS				
WETCIT® DUO	BACKPACK VOLUME			
Dose per 100 liters water	10 liter	16 liter	20 liter	
100 mℓ	10 m²	16 mℓ	20 m²	
200 mℓ	20 m²	32 m²	40 m²	
250 mℓ	25 m²	40 m²	50 mℓ	
500 m²	50 m²	80 m²	100 ml	