

MODE OF ACTION	USE ONLY AS DIRECTED
<p><b>PESTICIDE</b></p> <ul style="list-style-type: none"> <li>When applied at rates of 200 ml / 100 l and higher <b>WETCIT® DUO</b> is a contact pesticide with no residual activity.</li> <li>Orange oil breaks down protective layers on insects, mites 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.</li> </ul>	
<p><b>ADJUVANT</b></p> <ul style="list-style-type: none"> <li>At rates of 15-200 ml / 100 l <b>WETCIT® DUO</b> drastically reduces the surface tension of water through the action of the non-ionic surfactant. This ensures even spreading of the spray mixture on the plant surface.</li> <li>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.</li> </ul>	
DIRECTIONS FOR USE	USE ONLY AS DIRECTED
<p><b>GROUND APPLICATION</b></p> <ul style="list-style-type: none"> <li><b>EVEN DISTRIBUTION OF DROPLETS IS OF THE UTMOST IMPORTANCE FOR ALL APPLICATIONS.</b></li> <li>Ensure that both surfaces of the leaves (top and bottom) are thoroughly wet, up to just before the point of run-off.</li> <li>When used as a pesticide it is essential that the spray solution makes direct contact with the target organism during application.</li> </ul>	<p><b>ONLY SUITABLE APPLICATION EQUIPMENT MUST BE USED</b></p>
<p><b>COMPATIBILITY</b></p>	
<ul style="list-style-type: none"> <li>Do not add any surfactants to the spray mixture when applying <b>WETCIT® DUO</b>. Buffers or acidifiers can be used with a <b>WETCIT® DUO</b> application. In such a case the buffer or acidifier must be added first, followed by the chemicals and then <b>WETCIT® DUO</b> at the end, just before reaching the final volume in the spray tank.</li> <li><b>WETCIT® DUO</b> is compatible with most crop protection products and foliar fertilizers.</li> <li>In case of doubt do not mix <b>WETCIT® DUO</b> 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.</li> <li>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</li> </ul>	<ul style="list-style-type: none"> <li>the <b>WETCIT® DUO</b> application and washed down to collect in a droplet thus increasing the risk of phytotoxic blemishes on the fruit.</li> <li>If in doubt, consult the technical representative of the distributor.</li> <li>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.</li> <li>Although <b>WETCIT® DUO</b> has been exempted 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.</li> </ul>
IMPORTANT GUIDELINES	USE ONLY AS DIRECTED
<ul style="list-style-type: none"> <li>The surfactant properties of <b>WETCIT® DUO</b> 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 <b>WETCIT® DUO</b>.</li> <li>Do not apply <b>WETCIT® DUO</b> over the crop in equipment that has previously been used for herbicides.</li> <li>Do not use <b>WETCIT® DUO</b> on pear fruit, table grape bunches or persimmon fruit during the period from blossom to harvest.</li> </ul>	

PEST / DISEASE	APPLICATION RATE	REMARKS
<b>Whitefly</b> <i>Bemisia tabaci</i>	<b>0.5% WETCIT® DUO</b> per 100 l water 0.5 % solution	<ul style="list-style-type: none"> <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>
<b>Powdery Mildew</b> <i>Sphaerotheca fuliginea</i>	<b>0.5% WETCIT® DUO</b> per 100 l water 0.5 % solution	<ul style="list-style-type: none"> <li>Through wetting of both sides of the leaves must be ensured at all times.</li> <li><b>DO NOT SPRAY TO THE POINT OF RUN-OFF.</b></li> <li><b>RECOMMENDED SPRAY VOLUME:</b> 500 l/ha</li> </ul>

CITRUS		
PEST / DISEASE	APPLICATION RATE	REMARKS
Citrus Black Spot <i>Guignardia citricarpa</i>	0.1 ℓ WETCIT® DUO + 150 g mancozeb 800WP + 20-30 ml azoxystrobin 250SC OR 10 ml pyraclostrobin 250EC per 100 ℓ water	<ul style="list-style-type: none"><li>A preventative programme for the control of citrus black spot should commence with a mancozeb 800WP application (as registered) at fruit set.</li><li>Apply the first WETCIT® DUO + mancozeb 800WP + azoxystrobin 250SC or pyraclostrobin 250EC application no later than 24 days after the last mancozeb 800WP application, and follow up with a second WETCIT® DUO + mancozeb 800WP + azoxystrobin 250SC or pyraclostrobin 250EC application 6 weeks later.</li><li>Complete the program with a mancozeb 800WP application (as registered) no later than 6 weeks after the second WETCIT® DUO + mancozeb 800WP + azoxystrobin 250SC or pyraclostrobin 250EC application.</li><li>Apply as high volume applications to ensure proper coverage of fruit to be protected, and use the higher rate of azoxystrobin 250SC if conditions are favourable for black spot development or high infection levels were experienced the previous season.</li><li>NOTE: Consult the mancozeb 800WP, azoxystrobin 250SC or pyraclostrobin 250EC labels for details.</li></ul>
	0.1 ℓ WETCIT® DUO + 150 g mancozeb 800WP per 100 ℓ water	<ul style="list-style-type: none"><li>Apply not later than 24 days after the mancozeb 800WP application at petal drop (as registered) and repeat 4-5 times at 24 day intervals.</li><li>NOTE: Consult the mancozeb 800WP label for details.</li></ul>
	0.1 ℓ WETCIT® DUO + 200 g mancozeb 800WP + 50 g benomyl 500WP per 100 ℓ water	<ul style="list-style-type: none"><li>Only use benomyl 500WP in orchards where benzimidazole resistance is absent.</li><li>Precede the WETCIT® DUO + mancozeb 800WP + benomyl 500WP application with an application of mancozeb 800WP at 200 g / 100 ℓ of water (as registered) in the last week of October.</li><li>Apply one WETCIT® DUO + mancozeb 800WP + benomyl 500WP application as a full cover spray between the 1<sup>st</sup> and 20<sup>th</sup> of December.</li><li>If obtaining sufficient fruit cover is a concern, two sprays of WETCIT® DUO (0.1 ℓ) + mancozeb 800WP (200 g) + benomyl 500WP (25 g / 100 ℓ water) can be applied during the last half of November and the first week of January respectively.</li><li>NOTE: Consult the mancozeb 800WP and benomyl 500WP labels for details.</li></ul>

CITRUS		CONTINUED
PEST / DISEASE	APPLICATION RATE	REMARKS
Citrus Thrips <i>Scirtothrips aurantii</i>	0.2 ℓ WETCIT® DUO per 100 ℓ water 0.2% solution	<ul style="list-style-type: none"><li>Apply between 80% and 100% petal drop as preventative application.</li><li>Since WETCIT® DUO is not restricted by a pre-harvest interval or maximum residue level, the product can be used as a late corrective application up to harvest, once fruit has fully coloured up.</li></ul>
Red Scale <i>Aonidiella aurantii</i>	0.2 - 0.4 ℓ WETCIT® DUO per 100 ℓ water 0.2 - 0.4% solution	<ul style="list-style-type: none"><li>The use of WETCIT® DUO for the control of Red Scale should only commence once fruit has fully coloured up.</li></ul>
Citrus Red Mite <i>Panonychus citri</i>	0.2 ℓ WETCIT® DUO per 100 ℓ water 0.2% solution	<ul style="list-style-type: none"><li>Apply when the first signs of a red mite infestation are observed.</li><li>A repeat application 5 to 7 days after the first are recommended.</li></ul>

Do not apply WETCIT® DUO on Citrus crops at rates exceeding 100 ml/hℓ in the period from 100% petal fall up to and including full colour development.		
GRAPES WINE GRAPES · ROOTSTOCK MOTHER PLANTATIONS · NURSERIES		
PEST / DISEASE	APPLICATION RATE	REMARKS
Mealybug <i>Planococcus ficus</i>	0.5 ℓ WETCIT® DUO per 100 ℓ water 0.5% solution	<ul style="list-style-type: none"><li>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.</li><li>Ants must be controlled separately before mealybug control is done.</li><li>RECOMMENDED SPRAY VOLUME: 750 ℓ/ha to 1000 ℓ/ha, depending on vine size.</li></ul>
Powdery Mildew <i>Uncinula necator</i>	0.25 - 0.5 ℓ WETCIT® DUO per 100 ℓ water 0.25 - 0.5% solution	<ul style="list-style-type: none"><li>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.</li><li>The optimal window for use of WETCIT® DUO will be after flowering up to harvest or during the period when mealybug crawler movement is expected (see mealybug recommendation).</li><li>Apply WETCIT® DUO at 7-10 day intervals as part of a powdery mildew control program, alternating with products with different modes of action. WETCIT® DUO has a non-specific contact action and is therefore suitable for use in an anti-resistance programme against powdery mildew.</li><li>Preferably use a disease forecasting model as well as disease history of the target vineyard as a guideline to assess risk of disease. If this information indicates low disease pressure and low risk, or no symptoms are visible, use the 0.25% dosage rate. When higher disease pressure and higher risk is indicated, or symptoms are already visible, use the 0.5% dosage rate.</li><li>Should conditions be favourable for the infection of clusters with green berries, WETCIT® DUO should be alternated or combined with a suitable systemic fungicide to assist in the protection of the clusters.</li><li>RECOMMENDED SPRAY VOLUME: 500 ℓ/ha to 1200 ℓ/ha, depending on vine size.</li></ul>
Downy Mildew <i>Plasmopara viticola</i>	0.5 ℓ WETCIT® DUO per 100 ℓ water 0.5% solution	<ul style="list-style-type: none"><li>A programme for the control of downy mildew should commence when the longest shoots reach a length of 10 cm. Use conventional residual fungicides for preventative control of downy mildew.</li><li>If WETCIT® DUO is applied at 500 ml/100ℓ for mealybug or downy mildew, this spray will also control downy mildew which may be present at the time.</li><li>If infection periods for downy mildew are expected after application of WETCIT® DUO, it should be combined with a preventative residual fungicide as registered.</li><li>Ensure thorough wetting of underside of leaves.</li><li>RECOMMENDED SPRAY VOLUME: 750 ℓ/ha to 1000 ℓ/ha, depending on vine size.</li></ul>

LETTUCE		WESTERN AND SOUTH CAPE REGIONS ONLY
PEST / DISEASE	APPLICATION RATE	REMARKS
Downy Mildew <i>Plasmopara viticola</i>	0.5 ℓ WETCIT® DUO per 100 ℓ water 0.5% solution	<ul style="list-style-type: none"><li>Start applying at first signs of disease.</li><li>A spray programme with 3 - 7 day intervals is recommended.</li><li>Thorough wetting of both sides of the leaves must be ensured at all times.</li><li>DO NOT SPRAY TO THE POINT OF RUN-OFF.</li><li>In event of extreme diseases infections levels, the addition of a suitable residual fungicide (as registered) will be required.</li><li>RECOMMENDED SPRAY VOLUME: Not less than 500 ℓ/ha</li></ul>

MACADAMIA NUTS		
PEST / DISEASE	APPLICATION RATE	REMARKS
Felted Coccid <i>Acanthococcus ironsidei</i>	0.25 ℓ WETCIT® DUO per 100 ℓ water 0.25% solution	<ul style="list-style-type: none"><li>Monitor crawler movement with double sided sticky tape bands and do the first application at the beginning of crawler movement. Repeat at 14 day intervals. A reduction of &gt; 80% in crawler numbers can be expected after 5 applications.</li></ul>

ORNAMENTALS AND ROSES		
PEST / DISEASE	APPLICATION RATE	REMARKS
Thrips spp. <i>Thripidae spp.</i>	0.5 ℓ WETCIT® DUO per 100 ℓ water 0.5% solution	<ul style="list-style-type: none"><li>A spray programme with 3 - 7 day intervals is recommended.</li><li>Thorough wetting of both sides of the leaves must be ensured at all times.</li><li>Do a small scale phytotoxicity test on varieties known to be sensitive or prone to phytotoxicity or on newly developed varieties.</li><li>DO NOT SPRAY TO THE POINT OF RUN-OFF.</li><li>RECOMMENDED SPRAY VOLUME: Not less than 250 ℓ/ha</li></ul>
Aphids <i>Macrosiphum rosae</i>		
Red Spider Mite <i>Tetranychus urticae</i>		
Whitefly <i>Bemisia tabaci</i>		
Leaf Hoppers <i>Jassid spp.</i>		
Powdery Mildew <i>Sphaerotheca fuliginea</i>		

TOMATOES		
PEST / DISEASE	APPLICATION RATE	REMARKS
Whitefly <i>Bemisia tabaci</i>	0.5 ℓ WETCIT® DUO per 100 ℓ water 0.5% solution	<ul style="list-style-type: none"><li>Application should start within three weeks after transplanting and continued as a weekly spray programme (7-day intervals) as long as needed.</li><li>Ensure thorough wetting of both sides of the leaves at all times.</li><li>DO NOT SPRAY TO THE POINT OF RUN-OFF.</li><li>This treatment for whitefly will enhance the control of early and/ or late blight, when combined in a tank mixture with a registered fungicide for blight control.</li><li>The treatment for whitefly will also control aphids and red spider mites present during an application.</li><li>RECOMMENDED SPRAY VOLUME: 500 ℓ/ha, from flowering onwards.</li></ul>

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