

GREAT LAND TANK-MIXING COMPATIBILITY REGISTER

This register reports on laboratory tests conducted by Terragen Biotech to determine the compatibility of chemicals (herbicides, fungicides, high analysis fertilisers etc) if mixed in tanks with Great Land while preparing for application by boom spray or fertigation injection.

The test procedure simulates mixing Great Land with the listed product (reagent) in a tank at concentrations equivalent to recommended application rates.

The mixture is left to stand for 4 hours - a typical period for which the mixed solution would reside in the tank before application - then tested for viability of all Great Land microbes.

The reagent is reported as compatible if there is no observable mortality of Great Land bacteria after 4 hours holding period. Every effort is made by Terragen Biotech to simulate recommended dose rates of reagent chemicals. However, since variations in these rates or field

conditions may affect the sensitivity of Great Land microbes to the mixture, Terragen Biotech is unable to accept responsibility for compatibility of the mixtures applied on farm.

Products not included on this Register can be tested for compatibility with Great Land, on request. The register is updated occasionally and posted to our website (www.terragen.com.au/Products/Resources-424/). Please contact a Terragen Biotech representative if you require any further information.

| Product type | Product name | Active ingredient | Treatment dosage (with Great Land at rate of 10 L/ha in 100 L water (unless otherwise stated)) |
|---|---------------------------------|--|---|
| COMPATABLE - Suitable for use (apply ASAP after mixing. Maximum standing time 4 hours) | | | |
| Fungicide | Agri-Fos 600 | 600 g/L Phosphoric Acid | 800 ml/ha |
| Fungicide | Aliette WG | 800 g/kg Fosetyl-Aluminium | 0.9 g/L |
| Fungicide | Amistar top | 200g/L Azoxystrobin + 125g/L Difenoconazole | 1% (1 litre per 100L water) |
| Fungicide | Barmac Zineb | 800 g/kg Zineb | 1.5 g/L |
| Fungicide | Manzate DF | 750 g/kg MANCOZEB | 0.83% (825 grams per 100L water) |
| Fungicide | Nordox (formerly Norshield® WP) | Copper oxide 750g/kg (Cu) | 750 g in 400L water per ha |
| Fungicide | Polygram DF | 700 g/kg Metiram | 2 g/L |
| Fungicide | Previcur | 600 g/L Propamocarb | 2 mL/L |
| Fungicide | Rovral Liquid | 250 g/L Iprodione | 1 mL/L |
| Fungicide | Score | 250 g/L DIFENOCONAZOLE | 500 mL/ha |
| Fungicide | Solo 800WG | 800 g/kg Sulphur | 0.60% (600 grams per 100L water) |
| Fungicide, Seed dress | Baytan® T | 150 g/L TRIADIMENOL 4 g/L TRIFLUMURON | 5 L/ha |
| Fungicide, Seed dress | Evergol® Prime | 240 g/L Penflufen | 5 L/ha |
| Fungicide, Seed dress | Jockey® Stayer | 167 g/L FLUQUINCONAZOLE | 5 L/ha |
| Herbicide | Basta® Non-Selective | 200 g/L Glufosinate-ammonium | 100 mL/100L; and 500 mL/100L |
| Herbicide | Comet 400 | 400 g/L FLUROXYPYR present as the methylheptyl ester | 1.5% (1.5 litre per 100L water) |
| Herbicide | Dual Gold® | 960 g/L S-Metolachlor | 250 mL/ha; and 1.45 L/ha |
| Herbicide | Eclipse 100SC | 100 g/L metosulam | 35 mL/ha |
| Herbicide | Flowable Gesagard® 500 SC | 500 g/L Prometryn | 2 L/ha |
| Herbicide | Kamba M | 340 g/L MCPA ; 80g/L Dicamba | 560 ml/ha |
| Herbicide | Lorox, Linuron DF | 480 g/L Linuron | 600 mL/ha; 1 L/ha; and 5 L/ha |
| Herbicide | Monument Liquid Turf | 100 g/L Trifloxysulfuron sodium | 1 L/ha |
| Herbicide | Roundup Original ** | Glyphosate 41% | Low concentration only, <10 mL/L |
| Herbicide | Rygel, Oryzalin 500 Flowable | 500 g/L Oryzalin | 3.5 L/ha |
| Herbicide | Starane Advance** | 333 g/L Fluroxypyr | 100 g/ha (Not Compatible at 600ml/ha) |
| Herbicide | Stomp® 440 | 440 g/litre Pendimethalin | 3.3 L/ha |
| Herbicide | Ultimate Plant Growth Regulator | 28 g/L Metsulfuron-methyl 75 g/L Triclopyr | 7.5 mL/ha |
| Insecticide | Acramite | 480 g/L BIFENAZATE | 0.065% (65 mL per 100 L water) |
| Insecticide | Albatross 200SC | 200 g/L Fipronil | 250 mL/ha |
| Insecticide | Avatar® | 300 g/kg Indoxacarb | 17 g/100L (170g/ha); and 25 g/100L |
| Insecticide | CHESS® 500 WG | 500 g/kg PYMETROZINE | 10 g/100L (100g/ha); and 20 g/100L |

| Product type | Product name | Active ingredient | Treatment dosage (with Great Land at rate of 10 L/ha in 100 L water unless otherwise stated) |
|--|----------------------------------|--|---|
| Insecticide | Confidor 200 SC | 200 g/L Imidacloprid | 1 mL/L |
| Insecticide | Delfin WG Biological Insecticide | Bacillus thuringiensis subspecies kurstaki strain SA-11 | 0.5 g/L |
| Insecticide | Kohinor 350 | 350 g/L IMIDACLOPRID | 0.17% (170 mL per 100 L water) |
| Insecticide | Movento® 240 SC ^ | 240 g/L Spirtetramat | 20 g/100L (200 g/ha); and 40 g/100L |
| Insecticide | Regent 200SC | 200 g/L Fipronil | 5.7 mL/3.8L |
| Insecticide | Sorcerer | 18 g/L Abamectin | 0.12% (120 mL per 100 L water) |
| Insecticide | Success Neo | 120 g/L Spinetoram | 200 mL/ha; and 400 mL/ha |
| Insecticide | Sumitomo Shield Systemic ** | 200 g/L Clothianidin | 5 mL/tree |
| Insecticide -Biological | Xen Tari WG Bta | Bacillus thuringiensis subsp. Aizawai, serotype H7, STRain ABTS-1857. | 0.5 g/L |
| Adjuvant | Hasten Spray Adjuvant | 704 g/L Ethyl & Methyl Esters of vege oil | 300 L/ha; and 20 L/ha (GL @ 25 L/ha) |
| Adjuvant | Uptake Spraying Oil | 582 g/L Paraffinic oil and 240 g/L Anon-ionic surfactant | 500 mL/ha |
| Soluble / Liquid Fert | Mag Sulphate | Magnesium sulfate, heptahydrate 99.5% Purity | 100% (10 kg per 10 L water, typically injected - fertigation) |
| Soluble / Liquid Fert | Maximum MKP | Phosphoric acid, monopotassium salt; Mono potassium phosphate; Potassium dihydrogen orthophosphate. 23% Phosphorus 28% Potassium | 50% w/v (50 kg per 100 L water) |
| Soluble / Liquid Fert | SprayGro Molyphos | Mo – 25%, P – 11% | 3% |
| Soluble / Liquid Fert | SprayGro NS50 | N – 30%, S – 20% | 3% |
| NPKS + organic catalysts | Advanced Complete | NPKS (5-15-35-0) + organic catalysts | 5 L per 10 L Great Land |
| Biological Culture | BioAg Balance & Grow | NPKS (0-4-1-0) + microbial culture | 4.5 L/ha |
| Growth regulator | Sumagic | 50 g/L uniconazole | 500 mL/ha |
| Fish | Salmon hydrolysate | N/A | 7 L/ha in 1:10 dilution |
| Fish | Salmon hydrolysate | N/A | 7 L/ha in 1:20 dilution |
| NOT COMPATIBLE - UNSUITABLE FOR USE WITH GREAT LAND | | | |
| Fungicide | Amistar 250SC | Azoxystrobin 250g/L | 0.9 g/L |
| Fungicide | Champ Dry Prill | 375g/kg COPPER (Cu) present as CUPRIC HYDROXIDE | 0.21% (210 g per 100 L water) |
| Fungicide | Digger | 250 g/L DIFENOCONAZOLE | 500 mL/ha |
| Fungicide | Kocide Blue Xtra | 350 g/kg Copper present as cupric hydroxide | 2 g/L |
| Fungicide | Nitro Throw Down | 400 g/L Phosphorous Acid | 5 mL/L |
| Fungicide | Peroxy Treat | 250 g/L Hydrogen Peroxide | 2.5 mL/L |
| Fungicide | Ridomil Gold Plus® | 50 g/kg Metalaxyl-M 390 g/kg Copper Hydroxide | 2 kg/ha |
| Fungicide | Ridomil Gold® 480 SL | 480 g/L Metalaxl-M | 0.625 kg/ha |
| Fungicide | Shirtan | 120 g/L Mercury as Methoxyethyl Mercuric Chloride | 250 mL/250L; and 80 mL/ha |
| Fungicide | Thiragranz | 800 g/kg Thiram | 2 g/l |
| Fungicide | Tilt® | 250 g/L Propiconazole | 120 mL/ha |
| Fungicide | Tri-Base Blue | 190 g/L Cu as Triabasic copper sulphate | 450 mL/100L water |
| Fungicide / Pesticide | Trump Oil | 830 g/L Paraffinic oil | 10% (3 L per 30 L water) |
| Fungicide, Seed Dress | Apron XL 350 ES | 350 g/L METALAXYL-M | 5 L/ha |
| Fungicide - Custom | Acrobat® SC with Mancozeb 800 | Dimethomorph 50% | 36 mL/100L + 150 g/100L of Mancozeb 800 |
| Fungicide - Custom | Acrobat® SC with Mancozeb 800 | Dimethomorph 50% | 18 mL/100L + 150 g/100L of Mancozeb 800 |

| Product type | Product name | Active ingredient | Treatment dosage (with Great Land at rate of 10 L/ha in 100 L water unless otherwise stated) |
|---------------------|-----------------------------|--|---|
| Herbicide | Agritone 750 | 750 g/L MCPA, as dimethylamine salt | 2.7% (2.7 L per 100 L water) |
| Herbicide | Amicide Advance 700 | 700 g/L 2,4-D, as dimethylamine and monomethylamine salts | 5.0% (3.0 L per 100 L water) |
| Herbicide | Asulox | 400 g/L Asulam | 2 L/ha |
| Herbicide | Atrazine 500 | 500 g/L Atrazine | 1.5 kg/ha; and 3.3 kg/ha |
| Herbicide | Barricade Turf Herbicide | 480 g/L Proflam | 1 L/ha; and 4 L/ha |
| Herbicide | Command 400EC | 480 g/L Clomazone | 400 mL/ha |
| Herbicide | Ecopar | 20 g/L PYRAFLUFEN-ETHYL | 0.8% (800 mL per 100 L water) |
| Herbicide | Kamba 500 | 500 g/L Dicamba | 3.6 L/ha; and 8.8 L/ha |
| Herbicide | Lontrel | 300 g/L Clopyralid | 50 mL/ha |
| Herbicide | Reglone Non-residual | 200 g/L Diquat as dibromide | 700 mL/ha |
| Herbicide | Roundup Original | Glyphosate 41% | Over 10 mL/L - Incompatible |
| Herbicide | Sencor 480SC | 480 g/L Metribuzin | 350 mL/ha |
| Herbicide | Simazine® 900 WDG | 900 g/kg Simazine | 1.2 kg/ha; and 2.2 kg/ha |
| Herbicide | Starane Advance | 333 g/L Fluroxypyr | 600 mL/ha (Note: Compatible at 100 g/ha) |
| Herbicide | Verdict | 520 g/L Haloxypop | 250 mL/ha |
| Insecticide | Ambush | 500 g/L Permethrin | 10 mL/100L water; 100 mL/600 mL water |
| Insecticide | Avatar | 300 g/kg INDOXACARB | 0.125% (125 grams per 100 L water) |
| Insecticide | Couraze 200 | 200 g/L IMIDACLOPRID | 0.3% (300 mL per 100 L water) |
| Insecticide | Dimethoate | 400 g/L DIMETHOATE | 1.125 L/ha |
| Insecticide | Dominex Duo | 100 g/L Alpha-cypermethrin | 400 mL/ha; and 500 mL/ha |
| Insecticide | Lemat | 290 g/L Omethoate | 100 mL/ha |
| Insecticide | Lorsban | 500 g/L Chlorpyrifos | 1 L/ha |
| Insecticide | Proclaim | 44 g/kg Emamectin | 0.25 g/L |
| Insecticide | Sumi-Alpha flex | 50 g/L ESFENVALERATE | 0.5% (500 mL per 100 L water) |
| Insecticide | Sumitomo Shield Systemic ** | 200 g/L Clothianidin | 10 mL/tree |
| Insecticide | Talstar | 250 g/L Bifenthrin | 40 mL/ha |
| Soluble/Liquid Fert | Easy-N | Urea, Ammonium, Nitrate (42.5% nitrogen) | 20% (10 L per 30 L water + 10 L Great Land) |
| Soluble/Liquid Fert | Marlin Blue | NPK | 250 L/ha |
| Soluble/Liquid Fert | SprayGro Boly 5:3 | N – 3%, B – 5%, Mo – 3% | 3% |
| Soluble/Liquid Fert | SprayGro Boron15 | N – 6%, B – 15% | 3% |
| Soluble/Liquid Fert | SprayGro Nitrasulf | N – 16%, S – 34% | 3% |
| Soluble/Liquid Fert | SprayGro Smartrace Cu | S – 2.5%, Cu – 5% | 3% |
| Soluble/Liquid Fert | SprayGro Smartrace Zn | S – 4.9%, Cu – 10% | 3% |
| Soluble/Liquid Fert | SprayGro Smartrace Zn/Cu | S – 4.5%, Cu – 3%, Zn – 6% | 3% |
| Soluble/Liquid Fert | Urea | 46% N | 10% w/v (10 kg per 100 L water) |
| Soluble/Liquid Fert | Yara Liva Calcinit | 15.5% N + 19% Ca | 100% w/v (100 kg per 100 L water) |
| Liquid NP | BangP | NPKS 13-19-0-0 + organic catalysts (w/v) N – NH ₄ ⁺ , P – P2O ₅ | 15 L/ha |
| Adjuvant | Activator | 900 g/L Non-ionic surfactant | 100 mL/ha |
| Adjuvant | Deluge 1000 | 950 g/L Non-ionic fatty acid ethoxylates | 300 mL/ha |
| Adjuvant | Li-700 | 350 g/L Soyol Phospholipids 350 g/L Propionic acid | Label rates 2L/ha per 100L water - TBC |
| Adjuvant | Liase | 417g/L Ammonium Sulfate | 500 mL / 100 L spray solution |
| Surfactant | IrriGate Soil Surfactant | 180g/l blended ethylene, propylene and glucose co-polymers | 1.25% and 2.5% (1.25 and 2.5 L in 100 L water) |