

# Great Land Plus®

## Great Land Plus 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 Plus while preparing for application by boom spray or fertigation injection. The test procedure simulates mixing Great Land Plus 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 Plus microbes. The reagent is reported as compatible if there is no observable mortality of Great Land Plus 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 Plus 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 Plus, on request. The register is updated occasionally and posted to our website ([www.terragen.com.au/Products/Resources-424/](http://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 Plus at rate of 4 L/ha in 100 L water (unless otherwise stated))
<b>COMPATABLE - Suitable for use (apply ASAP after mixing. Maximum standing time 4 hours)</b>			
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

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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 Plus
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
<b>NOT COMPATIBLE - unsuitable for use with Great Land Plus</b>			
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 Tribasic copper sulphate	450 mL/100L water
Fungicide	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

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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 Prodiamine	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 Haloxyfop	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 Plus)
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 – NH4+, P – P2O5	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)