

BioFOR

Adding nature back.
From the roots up.

Biological support for broadacre soils.

Six microbial species and Metabolites,
brought together for root-zone activity,
nutrient access and complementary
legume Rhizobium support.



1 L/ha

Broadacre rate

1,000 L IBC

Made to order

1 month

From batching date

Designed for the broadacre program

For soils with NPK lockup and crops that depend on an active root zone. Integrate BioFOR with soil testing, balanced nutrition and crop-specific inoculation.

01 / SPECIES & ADDED VALUE

A working community around the root.

Each species adds a different biological role. The figures below combine all inputs and strains belonging to that species.

Species / biological role	Calculated CFU/mL
<i>Trichoderma harzianum</i> Root association, signalling and nutrient access.	36 million
<i>Trichoderma asperellum</i> Complementary root association and plant defence signalling.	24 million
<i>Bacillus subtilis</i> Root-zone colonisation and microbial competition.	4 million
<i>Bacillus mucilaginosus</i> Mineral weathering and potassium mobilisation.	4 million
<i>Bacillus megaterium</i> Phosphorus solubilisation and nutrient access.	4 million
<i>Azospirillum brasilense</i> Associative nitrogen fixation and root-growth interactions.	44 million

Metabolites complement microbial activity and plant signalling. CFU is not applicable to these compounds.

CFU = colony-forming units. Counts are calculated formulation inputs from website labels, not measured viable counts after blending or storage. Biological roles depend on strain and conditions.

02 / FIT BIOFOR INTO YOUR PROGRAM

From batch to broadacre.

Apply BioFOR at 1 L/ha. One 1,000 L IBC provides product for 1,000 hectares at this rate.



Conceptual rhizosphere illustration; organisms are not to scale.

Support the root zone

For cereals and broadacre legumes, connect biological inputs with soil testing, balanced fertilisation and crop removal budgets.

Keep crop-specific *Rhizobium* inoculation in your legume program and assess nodulation. BioFOR provides complementary support; biological activity does not create phosphorus or potassium.

Plan for freshness. Made specifically for your order in whole 1,000 L IBCs. Use within one calendar month of batching. Coordinate delivery, water quality, application timing and equipment with Wilchem.

Check the mix. Use the following BioFOR herbicide and fungicide screen before planning a tank mix. Confirm the exact formulation and dose with Wilchem.

Order terms. A cancellation penalty applies to cancelled confirmed orders. The quotation and order confirmation will state the fee or calculation and when it applies.

Johan Potgieter | 0427 854 655

03 / COMPATIBILITY REFERENCE

Herbicide compatibility

BioFOR screen at the source test concentration.

Chemical product	Source test dose	BioFOR screen
2 4 D Amine 480 SL	5.25L/200L	Review*
2 4 D Ester 500 EC	4.7L/300L	Review*
Adama Glyphosate 540 SL	2L/100L	Review*
Agrazine 500 SC	5L/200L	Review*
Baseline 960 EC	2L/200L	Avoid
Bundu SC	24L/200L	Review*
Callisto	520mL/200L	Review*
CamixPlus	5L/200L	Review*
Cantron 480 SC	260mL/200L	Review*
Clethodim 120 EC	5L/150L	Avoid
Extreme 50 WP	17.5g/100L	Review*
Flatdown	3L/100L	Review*
Galago S	520mL/200L	Review*
GardomilGold	4.8L/200L	Avoid
Glygran 710 SG	5.2kg/200L	Avoid

Avoid: conflict flagged. **Caution:** caution flagged.

Review*: no adverse flag in available data; confirm before mixing.

This screen uses available component evidence. Some constituents lack test results; finished-blend compatibility is not established.

Wilchem Biotics Compendium, May 2024, pp. 19-20. Source colours interpreted conservatively; no written legend supplied. Historic test doses are not use rates. Check supplier and active ingredient in the website chart. Follow current labels.

03 / COMPATIBILITY REFERENCE

Herbicide compatibility

BioFOR screen at the source test concentration.

Chemical product	Source test dose	BioFOR screen
Hatchet	500mL/10L	Avoid
Kalach 510 SL	7.2L/100L	Avoid
Leap 840 EC	3.4L/100L	Avoid
Lumax	5L/200L	Avoid
MetaganGold	2L/200L	Avoid
Palladium Plus 915 EC	1.4L/200L	Avoid
Panga Plus 540 SL	4L/200L	Review*
Paraquat SL	5.5L/500L	Caution
Pentium 960 EC	2L/200L	Avoid
Primagram Gold	4.2L/300L	Avoid
Roundup PowerMax	2L/100L	Avoid
S-Metamax+S 915 EC	1.4L/200L	Avoid
Silka	2L/100L	Review*
Skoffel 200 Super	5.5L/500L	Review*
Terbuclear 600 SC	3.7L/200L	Avoid

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03 / COMPATIBILITY REFERENCE

Herbicide compatibility

BioFOR screen at the source test concentration.

Chemical product	Source test dose	BioFOR screen
Terbusien Super 600 SC	4L/200L	Review*
Tripyr 480 EC	750mL/100L	Avoid
Tyllanex 500 SC	3.5L/200L	Review*
Terbuthylazine 500 SC	1L/200L	Review*
Terbuthylazine 500 SC	3.5L/200L	Review*
TBZ 500 SC	3.5L/200L	Review*
Vezir 240 SL	210mL/200L	Review*
ViRoAXE	750mL/100L	Avoid
Zeona 840 WDG	30g/100L	Review*
Vision 570 WG	250g/100L	Review*
Armour	45g/200L	Review*
Servian	50g/200L	Review*
Touchdown Forte HiTech	2L/100L	Avoid
Select 120 EC	5L/150L	Avoid
Triclon	750mL/100L	Avoid

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03 / COMPATIBILITY REFERENCE

Fungicide compatibility

BioFOR screen at the source test concentration.

Chemical product	Source test dose	BioFOR screen
Agri-Cure	1000g/100L	Review*
Amistar Top	500mL/250L	Review*
Apron XL	1.5mL chem / 3mL microbe	Avoid
Aroxy 250 SC	750mL/450L	Review*
Benomyl 500 WP	200g/100L	Avoid
Celest	2mL chem / 3mL microbe	Avoid
Copstar 120	550mL/100L	Review*
D-Zole 250 EC	400mL/300L	Review*
Dimeldex	750g/100L	Review*
Emesto Silver	20mL/150mL	Avoid
Fighter	570mL/100L	Review*
Flutriafol 500 SC	250mL/100L	Review*
Hit 500 SC	150mL/100L	Review*
Impact 250 SC	0.5mL/300mL	Review*

Avoid: conflict flagged. **Caution:** caution flagged.

Review*: no adverse flag in available data; confirm before mixing.

This screen uses available component evidence. Some constituents lack test results; finished-blend compatibility is not established.

Wilchem Biotics Compendium, May 2024, pp. 21-22. Source colours interpreted conservatively; no written legend supplied. Historic test doses are not use rates. Check supplier and active ingredient in the website chart. Follow current labels.

03 / COMPATIBILITY REFERENCE

Fungicide compatibility

BioFOR screen at the source test concentration.

Chemical product	Source test dose	BioFOR screen
Momento 250 SC	2L/100L	Review*
Mycoblock 250 SC	400mL/300L	Review*
Nordox 86	220g/100L	Review*
Raxil 15 FS	120mL/380mL	Avoid
Tizca 500 SC	4L/600L	Review*
Uniform	2L/100L	Review*
Xanbac	3L/500L	Avoid
TMTD 50 DS	Concentrate	Avoid
Tebuconazole 250 EW	900mL/30L	Avoid
Tebuconazole 250 EW	825mL/300L	Avoid
Scope 250 EC	350mL/30L	Avoid
Scope 250 EC	350mL/300L	Avoid
Fortix	500mL/280L	Review*

Avoid: conflict flagged. **Caution:** caution flagged.

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Wilchem Biotics Compendium, May 2024, pp. 21-22. Source colours interpreted conservatively; no written legend supplied. Historic test doses are not use rates. Check supplier and active ingredient in the website chart. Follow current labels.