

WHEAT & CANOLA PRE-EMERGENT APPLICATION TRIAL SIX YEAR STUDY - 5 WHEAT, 1 CANOLA Katanning, WA (TrialCo Research)



Res+ features

- Residue management product to enhance stubble and organic matter conversion
- Kick starts microbial activity and nutrient cycling in the soil
- Improves soil health and fertility while enhancing yield potential and grain quality
- Compatible with many knockdown and pre-emergent herbicides, insecticides and fertiliser
- May be applied from post-harvest up to sowing time

Treatments

#	Treatments	Rate (L/ha)
1	100% Grower Program	--
2	100 % Fertiliser Program + Res+ (pre-emergent)	1.2

- Res+ applied: 2 May 2025 (27 days before sowing)
- Six year study trial, 2020, 2021, 2022, 2023, 2024 and 2025 - combined year results
- No-till wheat stubble system - 5 years wheat, 1 year canola
- Each plot treated the same as per annual program since 2020
- Same wheat variety each year sown (2020, 2021, 2022, 2023, 2025) - Scepter, Canola cv Hunter TF (2024)
- Randomised complete block
- 2m x 12m plots, 4 replicates
- Sowing date: 29 May 2025
- 2025: MAP Trace applied banded at sowing

Fertiliser program

Fertiliser program	2020	2021	2022	2023	2024	2025
	Wheat	Wheat	Wheat	Wheat	Canola	Wheat
MAP kg/ha banded at sowing	100kg/ha	80kg/ha	80kg/ha	80kg/ha	80kg/ha	80kg/ha
Flexi-N In-furrow at planting	30L/ha	40L/ha	30L/ha	40L/ha	50L/ha	40L/ha
Flexi-N post-emergent	80L/ha 13 Jul	100L/ha 21 Jun	100L/ha 8 Aug 50L/ha 9 Sep	100L/ha 3 Jul	100L/ha	100L/ha
Sulphate of Ammonia post-emergent					150kg/ha	

Benefits

- Earlier applications in fallow period results in improved stubble flow at sowing
- Res+ can be integrated into the farming system and spray program without major change



Extra 2.26t/ha wheat plus
300kg/ha canola over 6 years

+2.56 t/ha
9.2% Yield Increase



6 years of
consistent yield
improvements,
while enhancing
soil health.