

**Hombre[®]**

Hombre Cereal Seed Treatment



What is Hombre?

- Specially formulated combination of Raxil® and Gaucho®
- 3-way protection
 - ◆ controls smuts
 - ◆ controls feeding damage caused by cereal aphids
 - ◆ reduces spread of barley yellow dwarf virus (BYDV)
- List Price = \$28.75/L
- Rate = 4 L/tonne
- Cost = \$9.20/ha*



* at 80 kg/ha sowing rate based on List Price

1. Controls smuts

Crop	Disease	Hombre	Dividend [®]	
		4.0 L/t	1.0 L/t	1.3 L/t
Wheat	Bunt	✓	✓	✓
	Flag smut	✓	✓	✓
	Loose smut	✓		✓
Barley	Covered smut	✓	✓	✓
	Loose smut	✓		✓
Oats	Covered smut	✓		
	Loose smut	✓		

✓	Registered for control
✓	Registered for suppression
	Not registered



1. Controls smuts

	Wheat			Barley		Oats	
	Bunt	Flag smut	Loose smut	Covered smut	Loose smut	Covered smut	Loose smut
Hombre 4.0 L/t	✓	✓	✓	✓	✓	✓	✓



Registered for control



Bunt



Loose smut



Covered smut

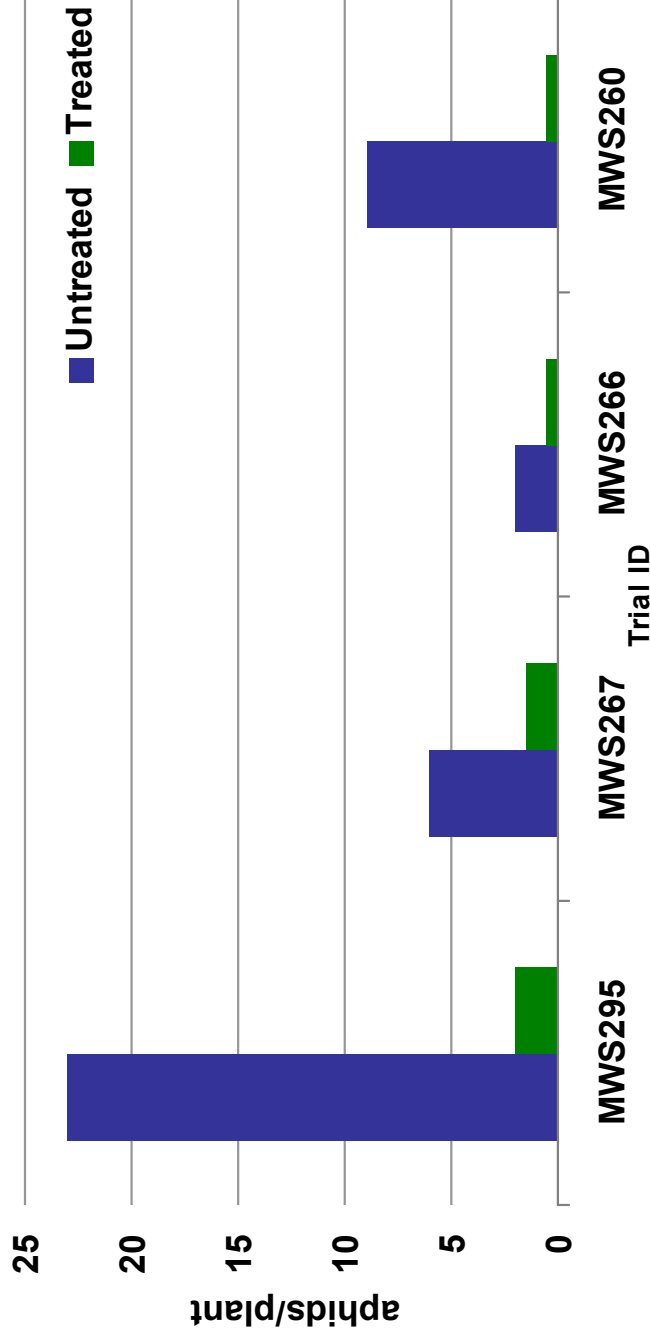




2. Proven aphid control

- Excellent control for at least 8 weeks after sowing
- Protects against feeding damage from wheat aphid and corn aphid

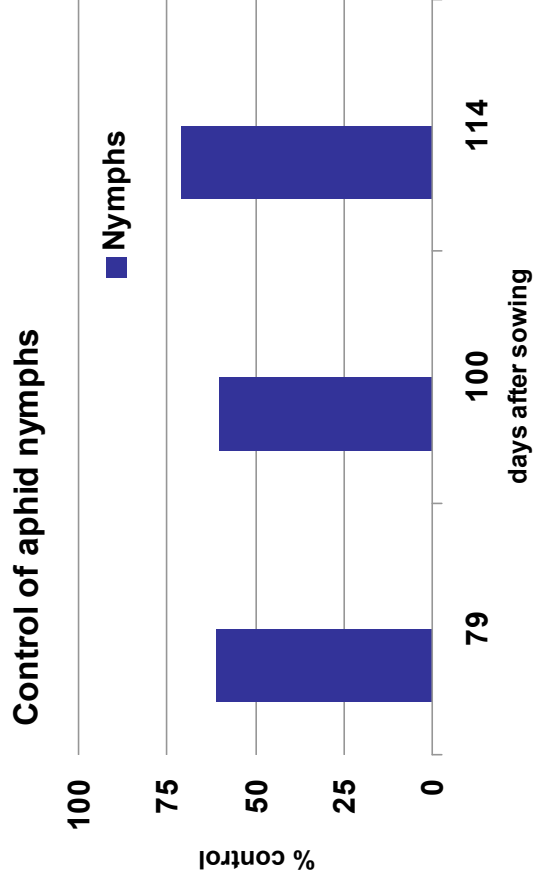
Reduced aphid numbers at 60 DAS



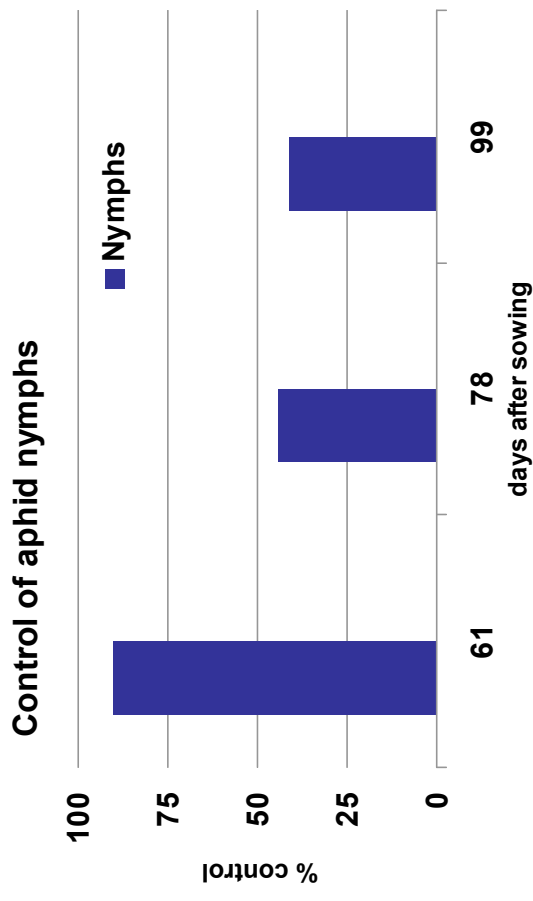


2. Proven aphid control

- Trials demonstrate extended aphid control



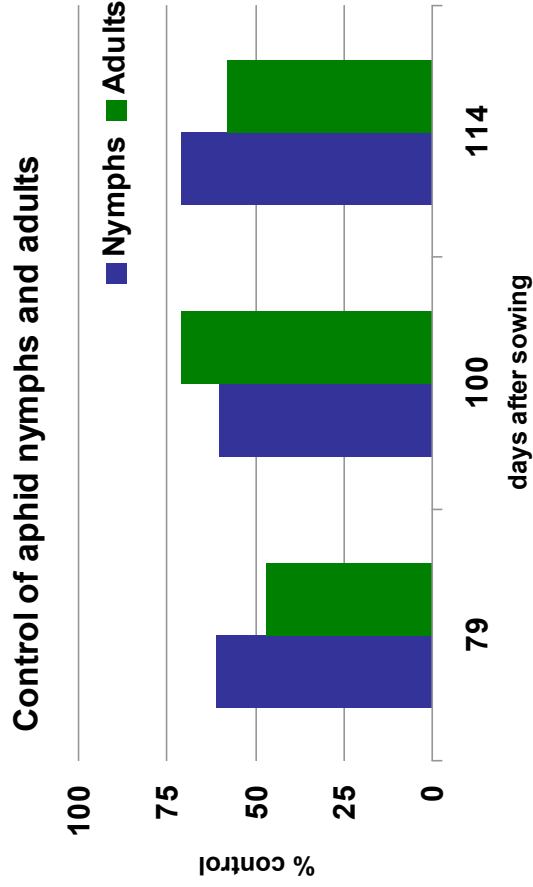
Trial ID: VA29 – up to 114 aphids/metre row in untreated



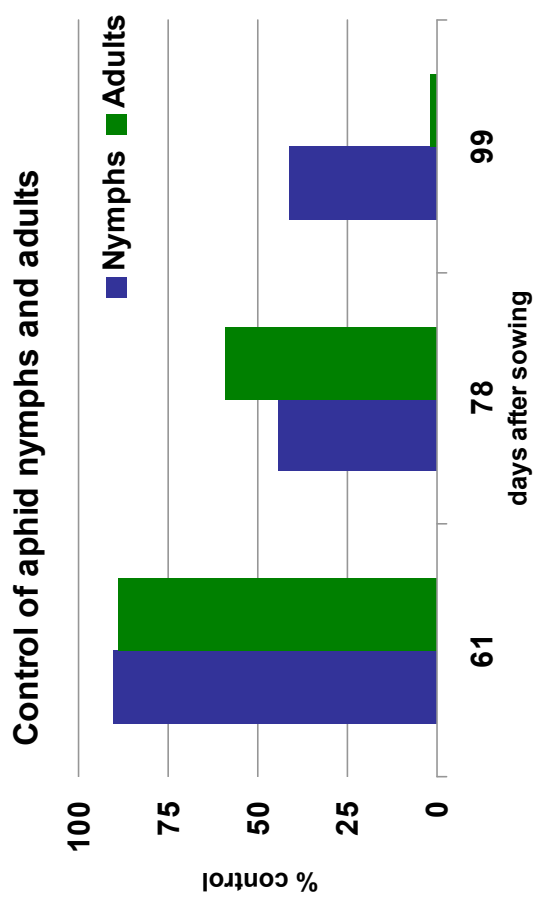
Trial ID: VA32 – up to 7 aphids/tiller in untreated

2. Proven aphid control

- Trials demonstrate extended aphid control
- Reduces both adult and nymph populations



Trial ID: VA29 – up to 114 aphids/metre row in untreated

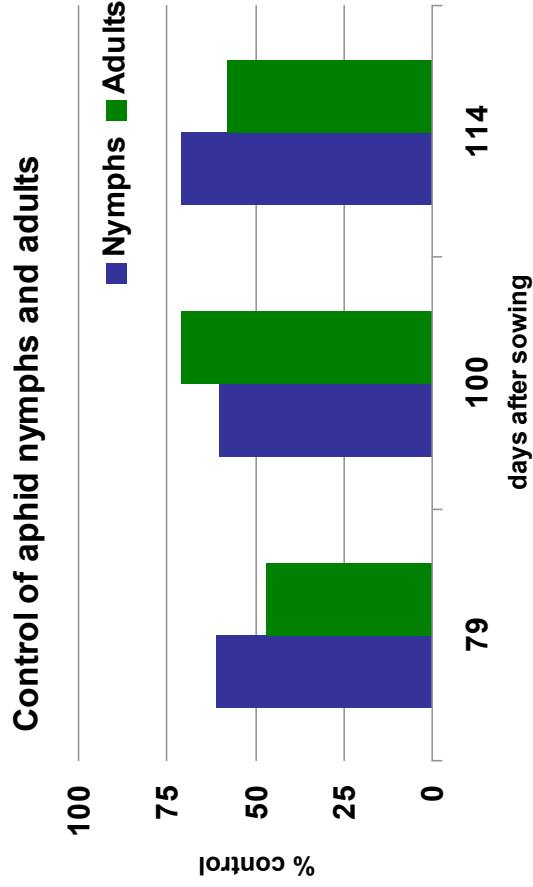


Trial ID: VA32 – up to 7 aphids/tiller in untreated

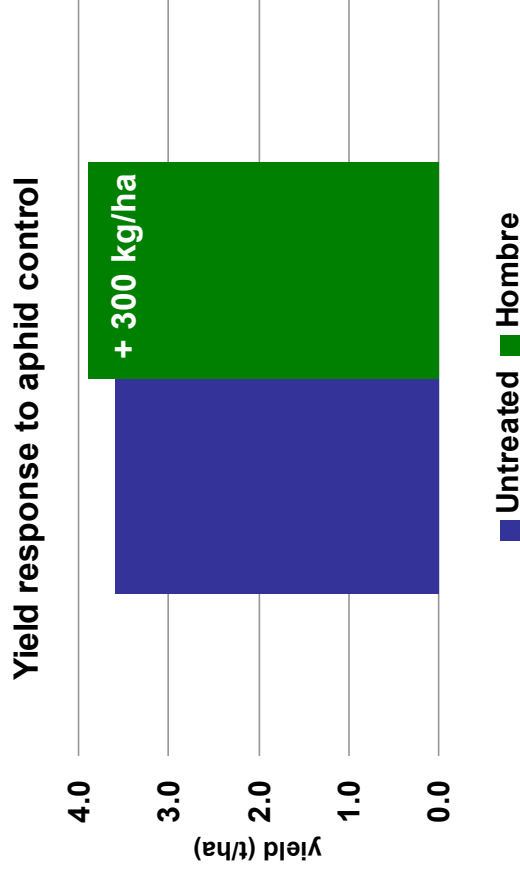


2. Proven aphid control

- Trials demonstrate extended aphid control
- Reduces both adult and nymph populations
- Safeguards yield



Trial ID: VA29 – up to 114 aphids/metre row in untreated

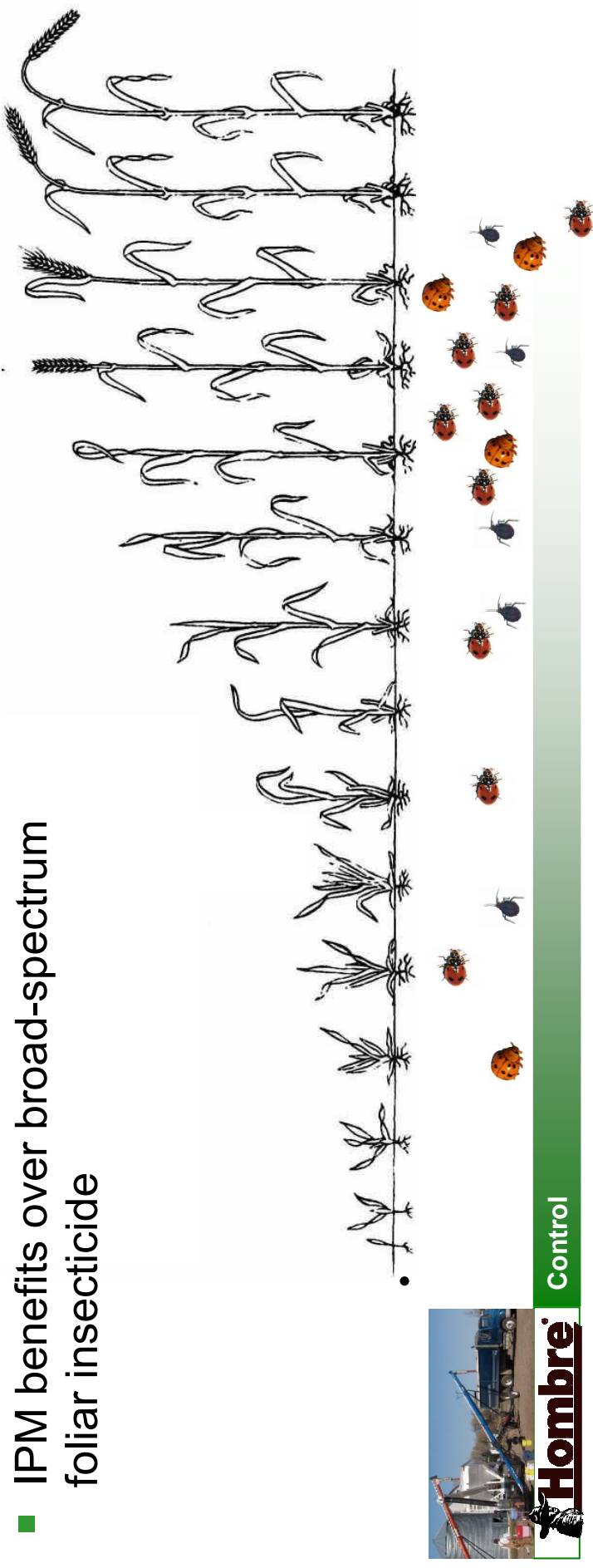


Trial ID: VA29 – 300 kg/ha yield increase.
No virus observed.



2. Proven aphid control

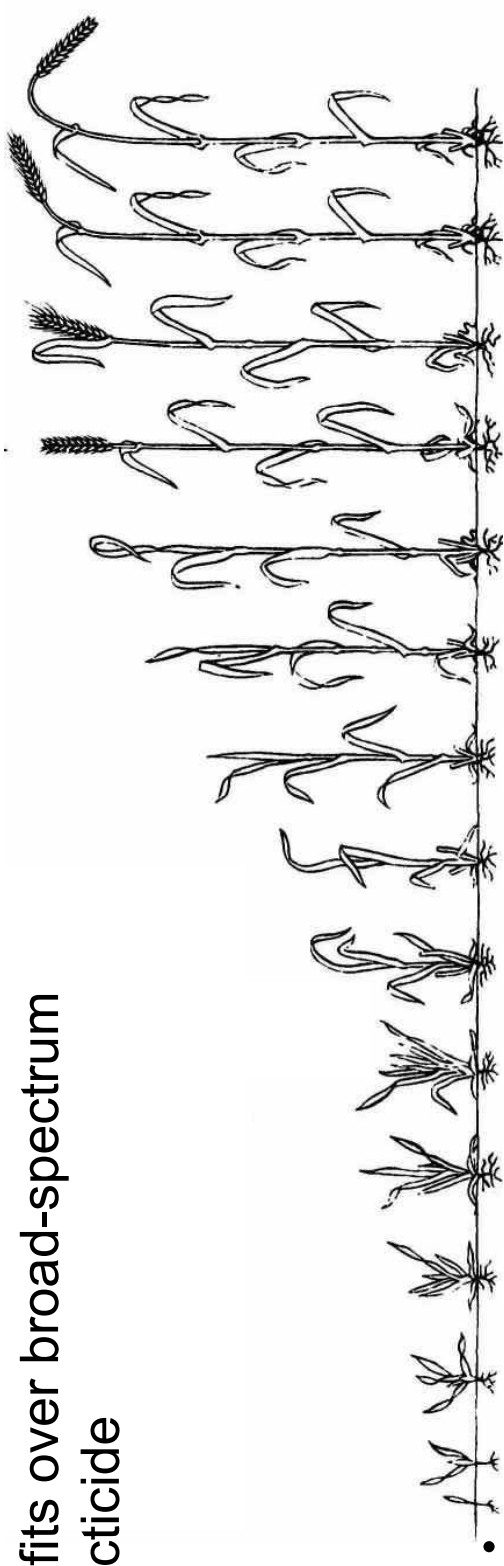
- IPM benefits over broad-spectrum foliar insecticide





2. Proven aphid control

- IPM benefits over broad-spectrum foliar insecticide



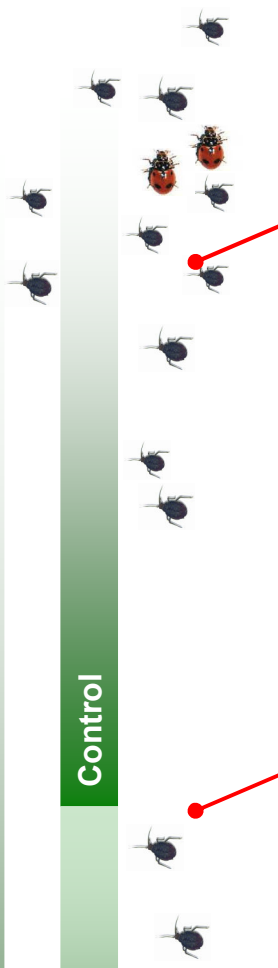
Control

post-em spray

RISK PERIOD

Control

Control



Second application must be applied

Spring aphid flight

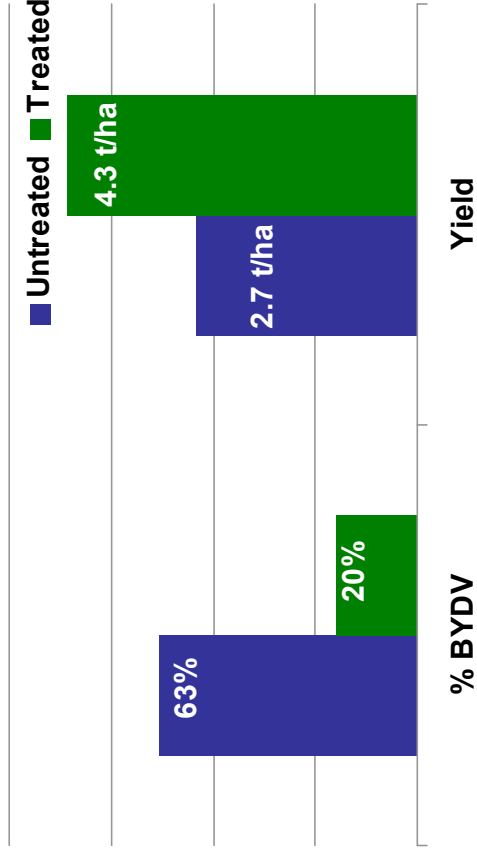




3. Reduces transmission of BYDV

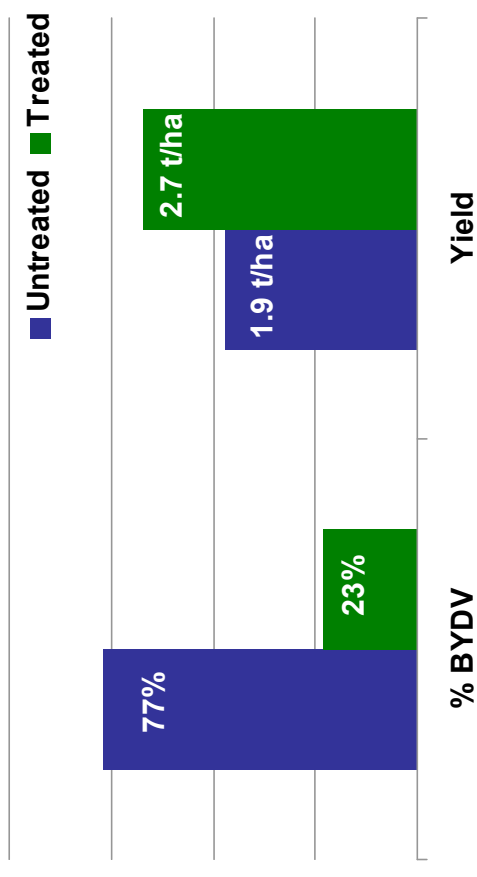
- Hombre controls aphid feeding damage and reduces BYDV transmission

Reduction in BYDV and effect on yield.



Trial ID: MWS264 – BYDV assessment 131 DAS

Reduction in BYDV and effect on yield.



Trial ID: MWS262 – BYDV Assessment 75 DAS

3. Reduces transmission of BYDV

- Controlling aphids reduces BYDV transmission
- Reduces the spread of BYDV



BYDV Patch in wheat





The benefits

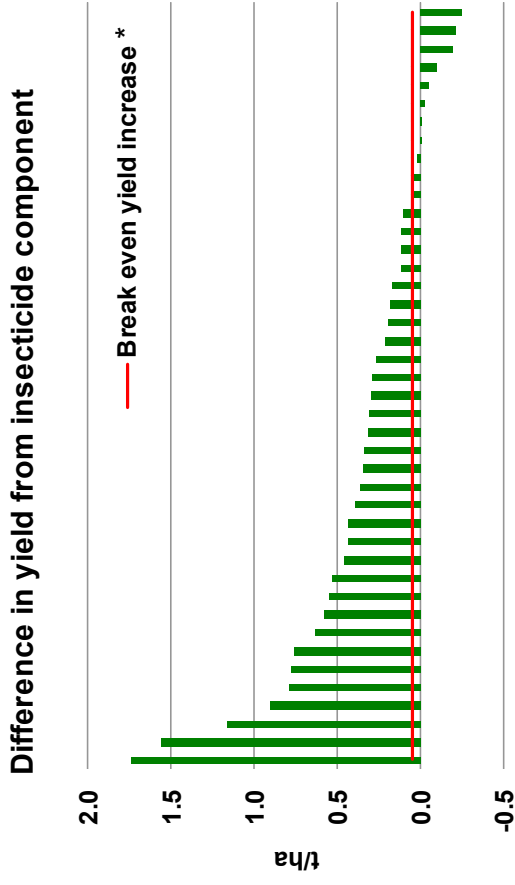
- Controls smut diseases
- Early season control of aphids
- Extended aphid control under low to moderate pressures
- Reduces BYDV transmission
- Reduces yield decline caused by aphid feeding damage and BYDV





Performance in 41 yield observations

- Profitable yield increases in 75% of observations
- Average yield improvement of 350 kg/ha
- Yield improvement up to 1.7 t/ha



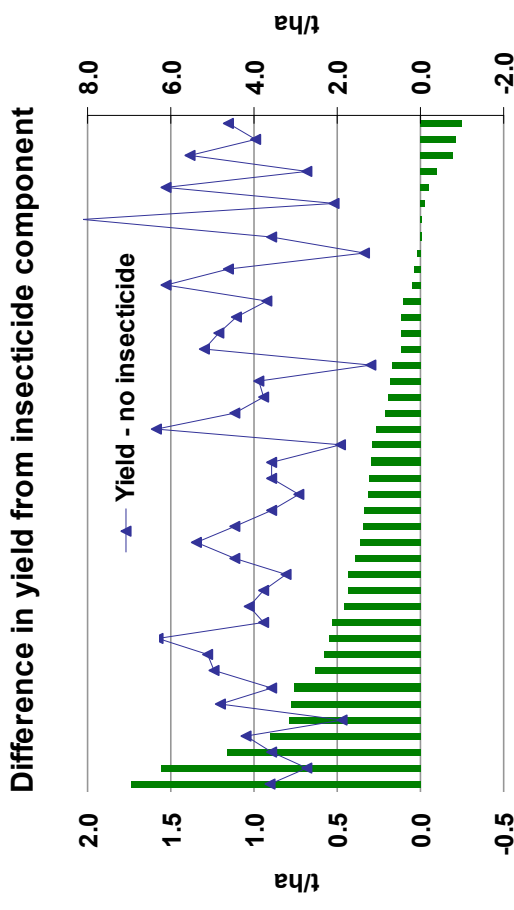
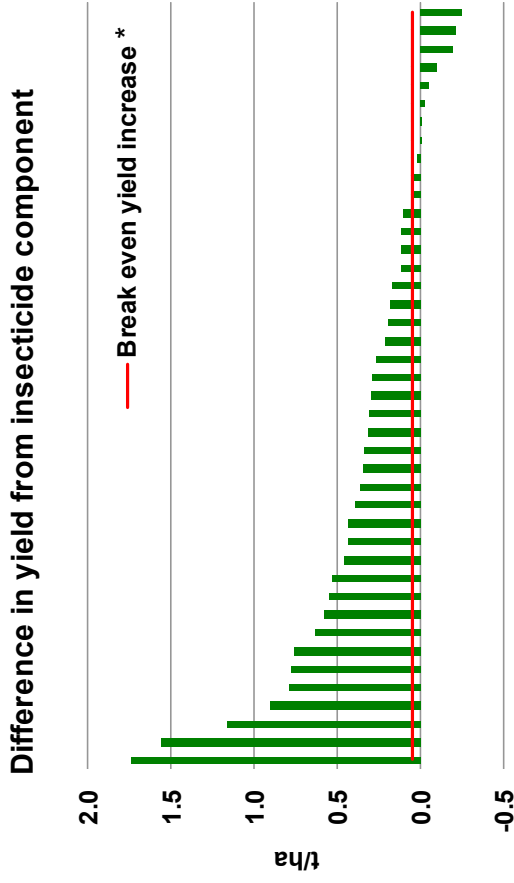
* = Hombre at 4.0 L/t. \$28.75/L. Grain price \$185/t. Sowing rate 80 kg/ha





Performance in 41 yield observations

- Profitable yield increases in 75% of observations
- Average yield improvement of 350 kg/ha
- Yield improvement up to 1.7 t/ha
- Yield improvements aren't necessarily from high yielding crops



* = Hombre at 4.0 L/t. \$28.75/L. Grain price \$185/t. Sowing rate 80 kg/ha



Performance in 41 yield observations

	<3.0 t/ha	3.0 - 5.0 t/ha	>5.0 t/ha	Average
Number of observations	8	25	9	41
Average yield: t/ha*	2.10	4.04	6.03	4.10
Income: \$/ha (\$185/t)	\$388	\$747	\$1,115	\$738
Additional Yield: t/ha#	+0.380	+0.400	+0.190	+ 0.350
Additional Yield: \$/ha (\$185/t)	+\$70.30	+\$74.00	+\$35.15	+\$65.00

Outlay: \$9.20



Average Return: \$65.00



* = average yield of untreated or standard fungicide treatment
 # = average yield increase due to insecticide component in 41 yield observations



Growth benefits



Ryegrass – Gaucho effects, no visible insects



Barley – Esperance 2006, no pests observed



What is Zorro?

- Specially formulated combination of Baytan[®] and Gaucho
- 4-way protection
 - ◆ controls smuts
 - ◆ protects against a range of foliar diseases
 - ◆ controls feeding damage caused by cereal aphids
 - ◆ reduces spread of BYDV

- List Price = \$39.00/L
- Rate = 4 L/tonne
- Cost = \$12.50/ha*



* at 80 kg/ha sowing rate



Science For A Better Life

