

2015 Loveland Agri Products Trial Data

Velocity with Adjuvants

Barley - Temora, NSW

Lov15_29

Trial Setup

- Fully randomised & replicated plot work – 4 replicates
- Plot size = 10m X 2.5m
- Treatments applied – Velocity (Pyrasulfotole + Bromoxynil)
- Spraying Date – 7th July 2015
- Crop Growth Stage – Z 13 – 22
- Target Pest – Broadleaf weeds – Mustard, Shepherds Purse.

Spraying Date	7th July 2015
Site	Temora Research Station
Variety	La Trobe Barley @ 60kg/ha
Protocol	Velocity +/- Liberate, Hasten, MSO or Uptake
GSP	Velocity + Hasten @ 1.0%.

Trial Protocol

Treatment #	Treatment	Applied Rate
T1	Untreated	----
T2	Velocity + Liberate	750 ml/ha + 0.5%
T3	Velocity + Hasten	750 ml/ha + 1.0%
T4	Velocity + MSO Leci Tech	750 ml/ha + 1.0%
T5	Velocity + Uptake	750 ml/ha + 0.5%

Velocity - 37.5 g/L Pyrasulfotole + 10 g/L Bromoxynil

Crop Assessments

Treatment	Applied Rate	Phyto 7 DAA	Phyto 14 DAA	Biomass Reduction 7DAA
Untreated / Control	----	0.00	0	0
Liberate	0.5%	3.75	0	0
Hasten	1.0%	1.25	0	0
MSO Leci Tech	1.0%	2.50	0	0
Uptake	0.5%	1.25	0	0

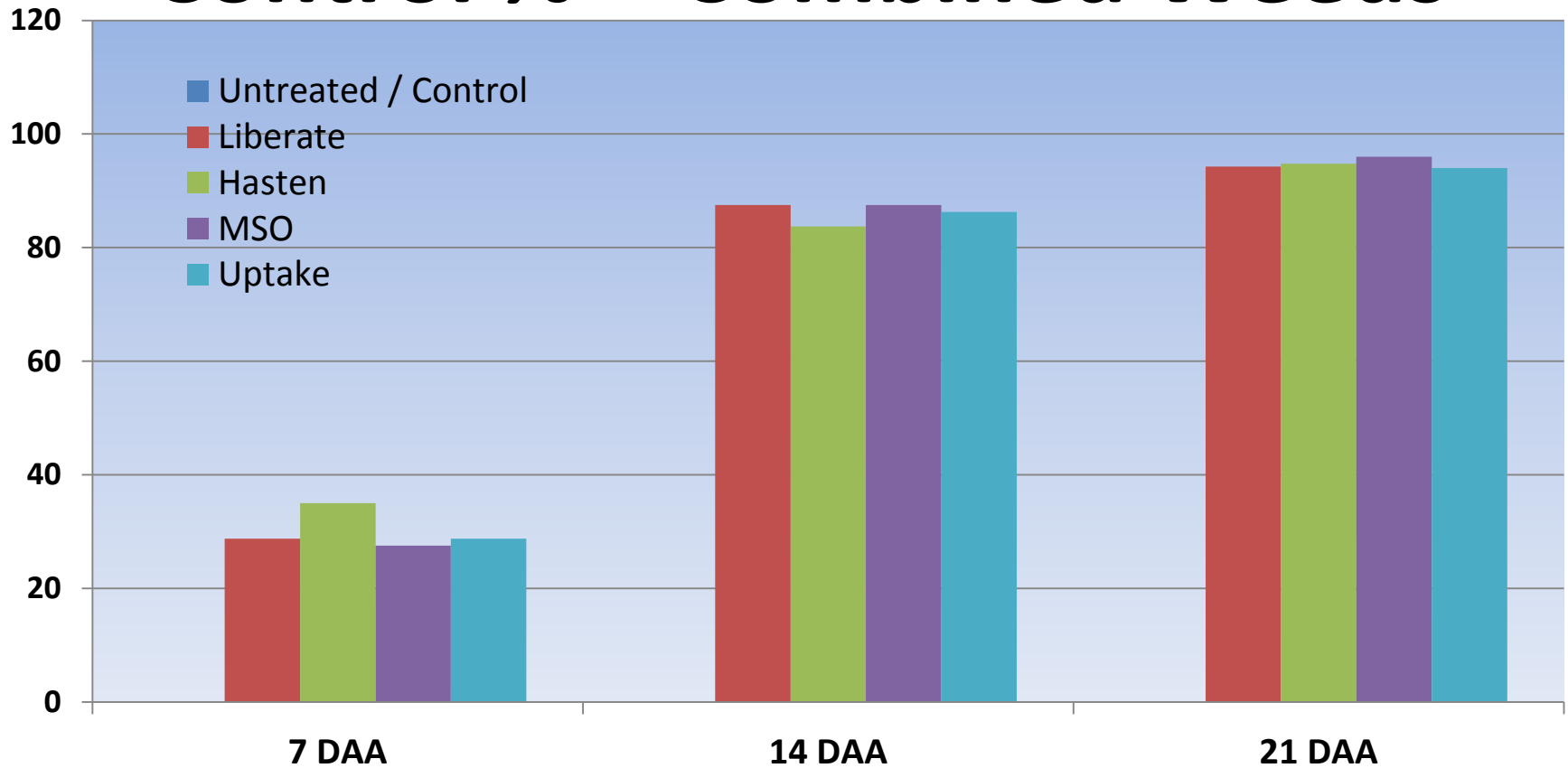
LSD (P=.05) = 0.408 CV = 6.66

2015 Trial Data

Plant Death – Combined Weeds %

Treatment	Rate/ha	7 DAA	14 DAA	21 DAA
Untreated	----	0.00	0.00	0.00
Velocity + Liberate	750 ml/ha + 0.5%	28.75	87.50	94.25
Velocity + Hasten	750 ml/ha + 1.0%	35.00	83.75	94.75
Velocity + MSO Leci Tech	750 ml/ha + 1.0%	27.50	87.50	96.00
Velocity + Uptake	750 ml/ha + 0.5%	28.75	86.25	94.00
	LSD (P=.05)	9.462	5.332	5.058
	CV	25.59	3.86	3.34

Control % – Combined Weeds



LSD (P=.05)	9.462	5.332	5.058
CV	25.59	3.86	3.34

Control % – Mustard & Shepherds Purse

Treatment	Rate/ha	Combined 21 DAA	Shep Purse 35 DAA	IH Mustard 35 DAA
Untreated	----	0.00	0.00	0.00
Velocity + Liberate	750 ml/ha + 0.5%	94.25	99.25	93.75
Velocity + Hasten	750 ml/ha + 1.0%	94.75	100.00	93.00
Velocity + MSO Leci Tech	750 ml/ha + 1.0%	96.00	100.00	92.50
Velocity + Uptake	750 ml/ha + 0.5%	94.00	99.25	95.00
	LSD (P=.05)	5.058	0.076t	4.619
	CV	3.34	0.61	3.09

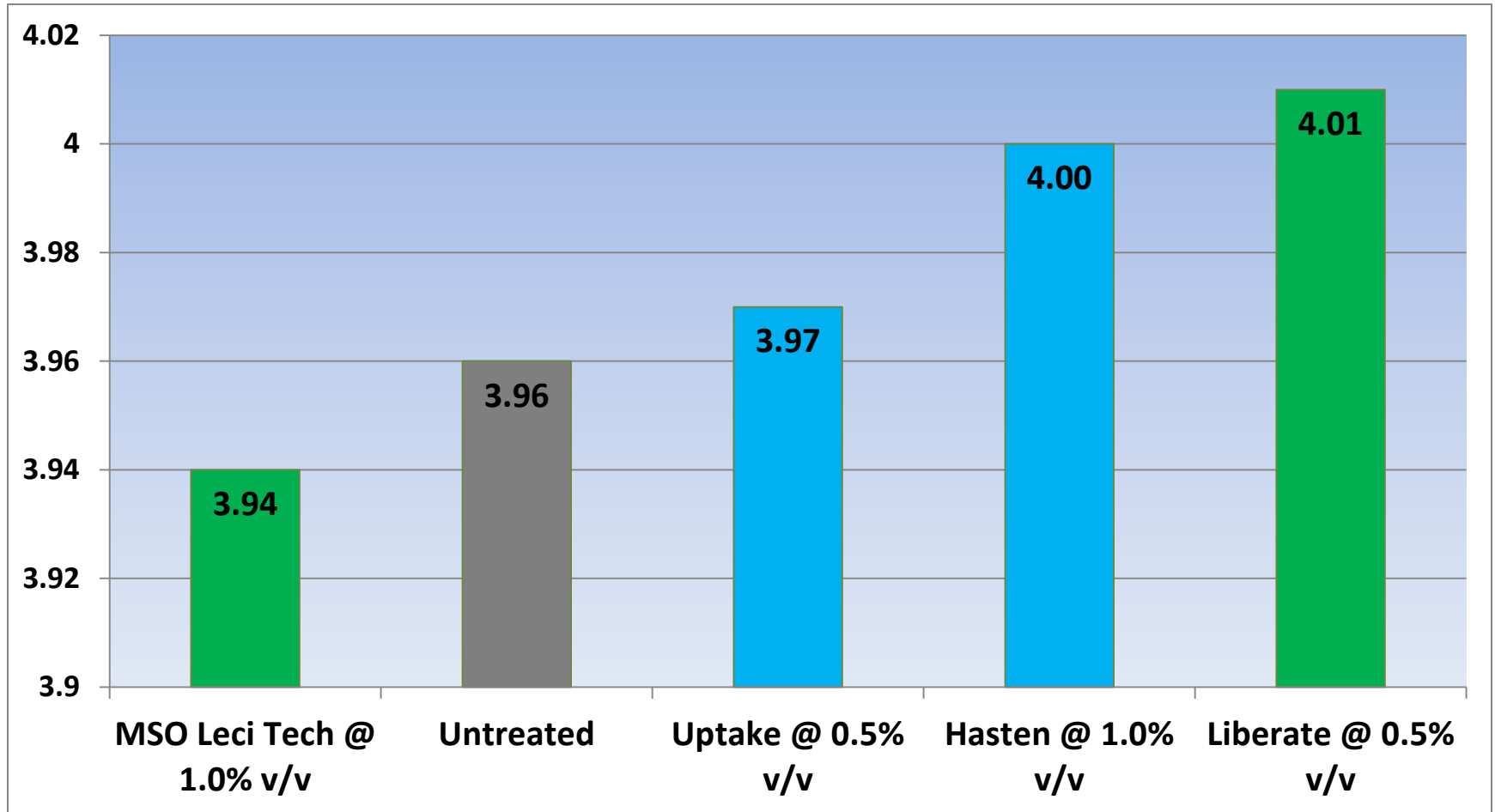
Barley Yield - t/ha

Treatment	Treatment	Rate/ha	Yield t/ha
T1	Untreated	----	3.96
T2	Velocity + Liberate	750 ml/ha + 0.5%	4.01
T3	Velocity + Hasten	750 ml/ha + 1.0%	4.01
T4	Velocity + MSO Leci Tech	750 ml/ha + 1.0%	3.94
T5	Velocity + Uptake	750 ml/ha + 0.5%	3.97

LSD (P=.05) = 0.408 CV = 6.66

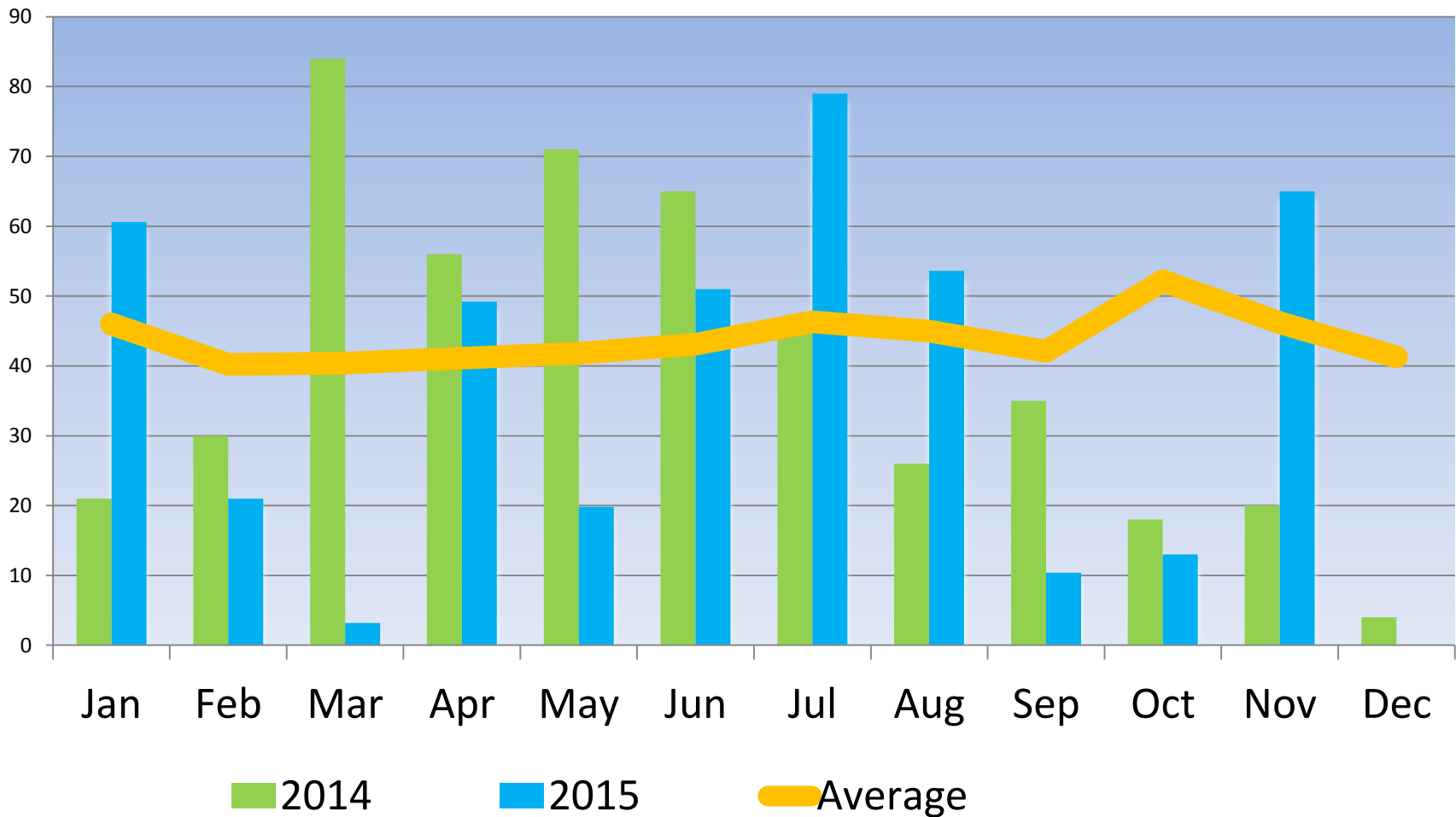
2015 Trial Data

Barley Yield - t/ha



LSD (P=.05) = 0.408 CV = 6.66

Temora Research Station - Rainfall



Conclusions

- Minor burning observed – would not readily pick it in a commercial crop.
- No biomass reduction seen.
- Hasten appeared to have a slightly quicker brownout, but after 21 DAA, minimal differences seen.
- MSO Lecitech would be considered a suitable alternative to Hasten and Liberate a suitable alternative to Uptake when tank mixing with Velocity for broadleaf weed control.