

2015 Loveland Agri Products Trial Data

Adjuvants with Achieve (Tralkoxydim)

Wheat - Temora, NSW

Lov15_24

Trial Setup

- Fully randomised & replicated plot work – 4 replicates
- Plot size = 10m X 1.7m
- Treatments applied – Achieve (Tralkoxydim)
- Spraying Date – 7th July 2015
- Crop Growth Stage – Z 13 – 22
- Target Pest – Annual Ryegrass.

Spraying Date	7th July 2015
Site	Temora Research Station
Variety	Suntop Wheat @ 60kg/ha
Protocol	Achieve +/- Liberate, Hasten, MSO, Supercharge
GSP	Achieve + Supercharge

Trial Protocol

Treatment #	Treatment	Applied Rate
T1	Untreated	----
T2	Achieve + Liberate	400 gm/ha + 0.5%
T3	Achieve + Hasten	400 gm/ha + 1.0%
T4	Achieve + MSO Leci Tech	400 gm/ha + 1.0%
T5	Achieve + Supercharge	400 gm/ha + 0.75%

Achieve - 400 g/kg Tralkoxydim

Phytotoxicity %

Treatment	Rate/ha	14 DAA	21 DAA	59 DAA
Untreated Control	--	0	0	0
Achieve + Liberate	400 gm/ha + 0.5%	0	0	0
Achieve + Hasten	400 gm/ha + 1.0%	5	4.16	0
Achieve + MSO Leci Tech	400 gm/ha + 1.0%	7.5	7.3	0
Achieve + Supercharge	400 gm/ha + 0.75%	1.25	0	0

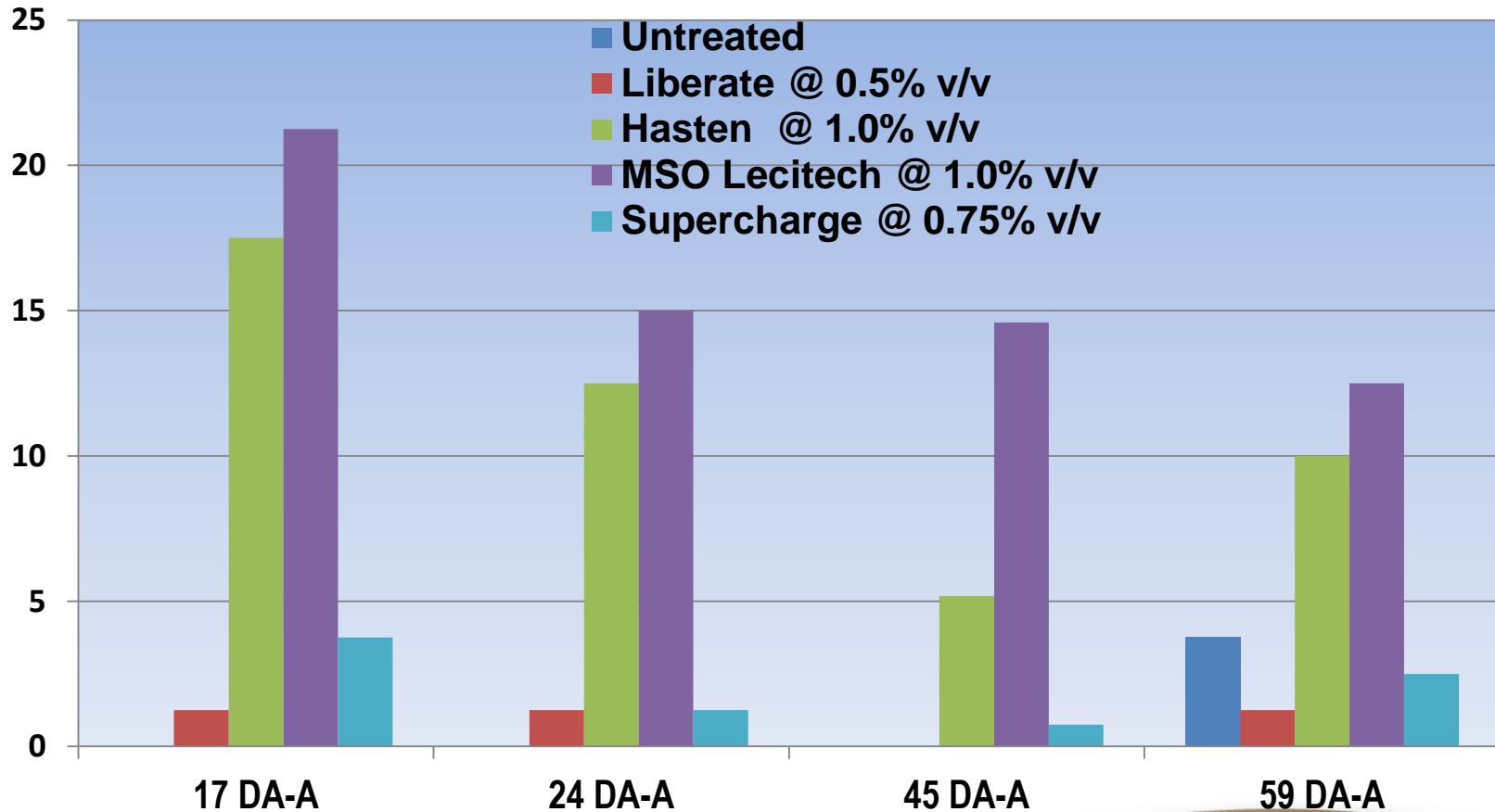
LSD (P=.05) = 0.864 CV = 39.63

2015 Trial Data

Crop Biomass Reduction %

Treatment	Rate/ha	17 DAA	24 DAA	45 DAA
Untreated Control	--	0	0	0
Achieve + Liberate	400 gm/ha + 0.5%	1.25	1.25	0
Achieve + Hasten	400 gm/ha + 1.0%	17.5	12.5	5.18
Achieve + MSO Leci Tech	400 gm/ha + 1.0%	21.25	15	14.59
Achieve + Supercharge	400 gm/ha + 0.75%	3.75	1.25	0.75
	LSD (P=.05)	3.37	5.49	1.15t
	CV	25.02	59.41	42.28

Crop Biomass Reduction %

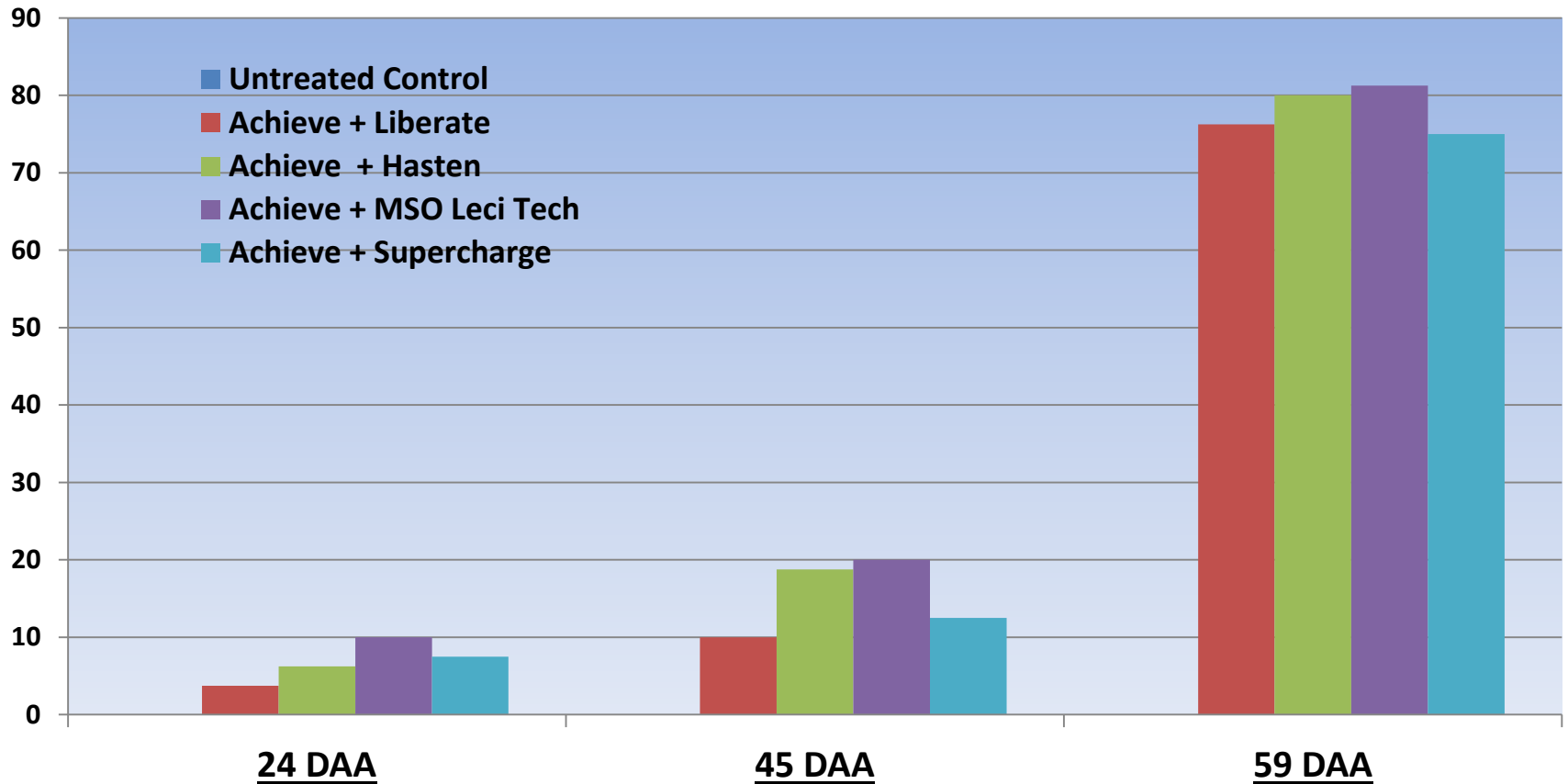


LSD (P=.05) = 9.514 CV = 102.91

ARG Plant Death %

Treatment	Rate/ha	24 DAA	45 DAA	59 DAA
Untreated Control	--	0.00	0.00	0.00
Achieve + Liberate	0.5%	3.75	10.00	76.25
Achieve + Hasten	1.0%	6.25	18.75	80.00
Achieve + MSO Leci Tech	1.0%	10.00	20.00	81.25
Achieve + Supercharge	0.75%	7.50	12.50	75.00
	LSD (P=.05)	2.724	5.967	14.430
	CV	32.14	31.62	14.98

ARG Plant Death %



<u>LSD (P=.05)</u>	<u>2.724</u>	<u>5.967</u>	<u>14.430</u>
<u>CV</u>	<u>32.14</u>	<u>31.62</u>	<u>14.98</u>

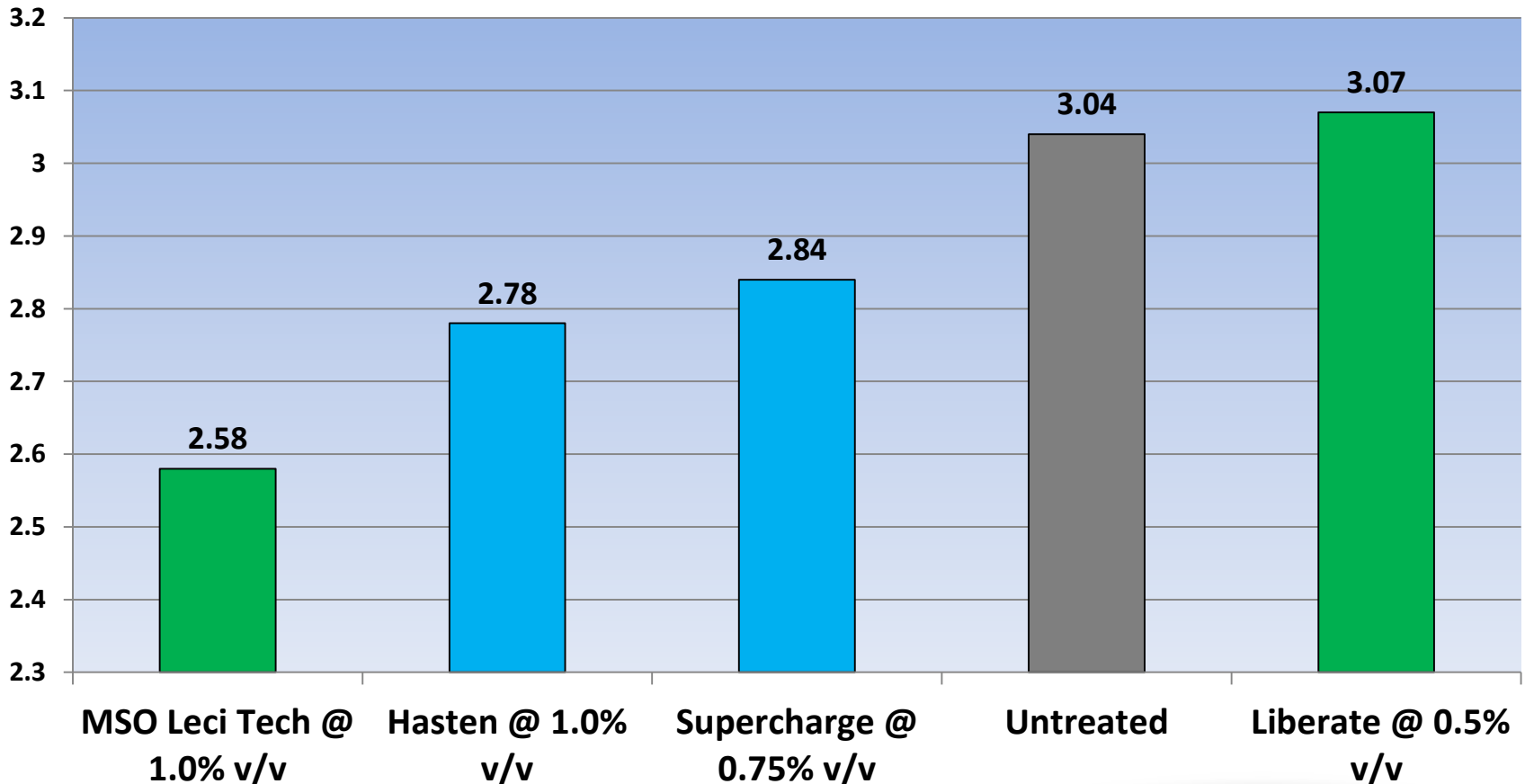
Wheat Yield - t/ha

Treatment	Treatment	Rate/ha	Yield t/ha
T1	Untreated	----	3.04
T2	Achieve + Liberate	400 gm/ha + 0.5%	3.07
T3	Achieve + Hasten	400 gm/ha + 1.0%	2.78
T4	Achieve + MSO Leci Tech	400 gm/ha + 1.0%	2.58
T5	Achieve + Supercharge	400 gm/ha + 0.75%	2.84

LSD (P=.05) = 0.277 CV = 6.15

2015 Trial Data

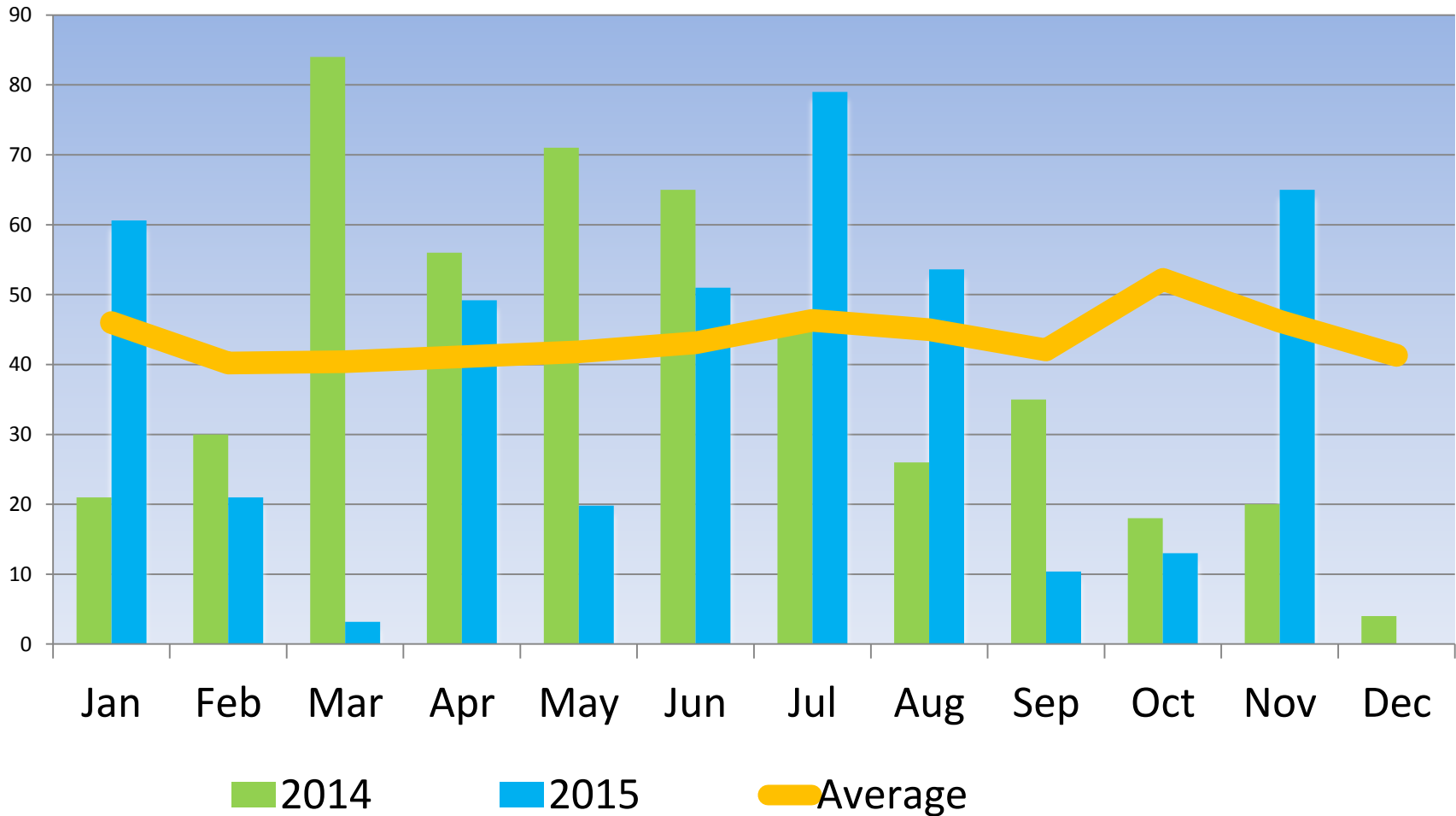
Wheat Yield – t/ha



LSD (P=.05) = 0.277 CV = 6.15

2015 Trial Data

Temora Research Station - Rainfall



Conclusions

- Liberate had the lowest Biomass Reduction.
- Liberate yielded 230 kgs/ha more than Supercharge.
- Supercharge had slightly elevated reduction in biomass than Liberate.
- Hasten had greater reduction in biomass than Liberate.
- MSO had the highest reduction in biomass @ all stages.