

Trial: **Humifirst WG on Carrots**

- Crop:** Carrots var. *Steffarno*
- Product:** Humifirst WG
- Location:** Gatton, Australia
- Aim:** Increase yield
- Rate:** 4 kg /ha
- Application:** Boom spray
- Timing:** Before first watering after planting
- Planting Date:** 27/02/19
- Harvest Date:** 02/07/19
- Assessment:** Hand sampling, Calculation



Results – Visual



Control

Humifirst WG

1st Grade

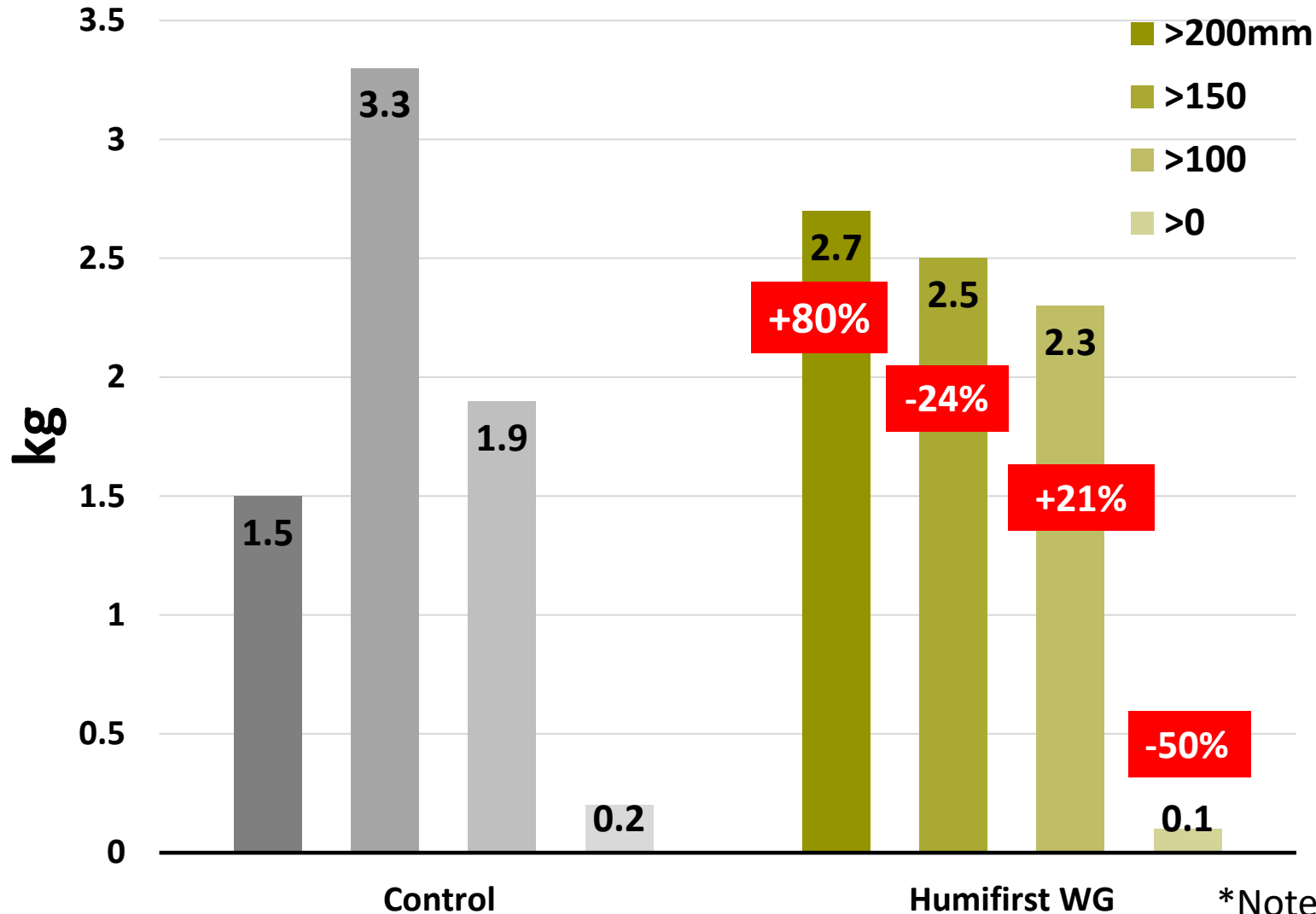
2nd Grade

3rd Grade



*Note: each harvested sample was 3 linear m

Results – Weight Distribution

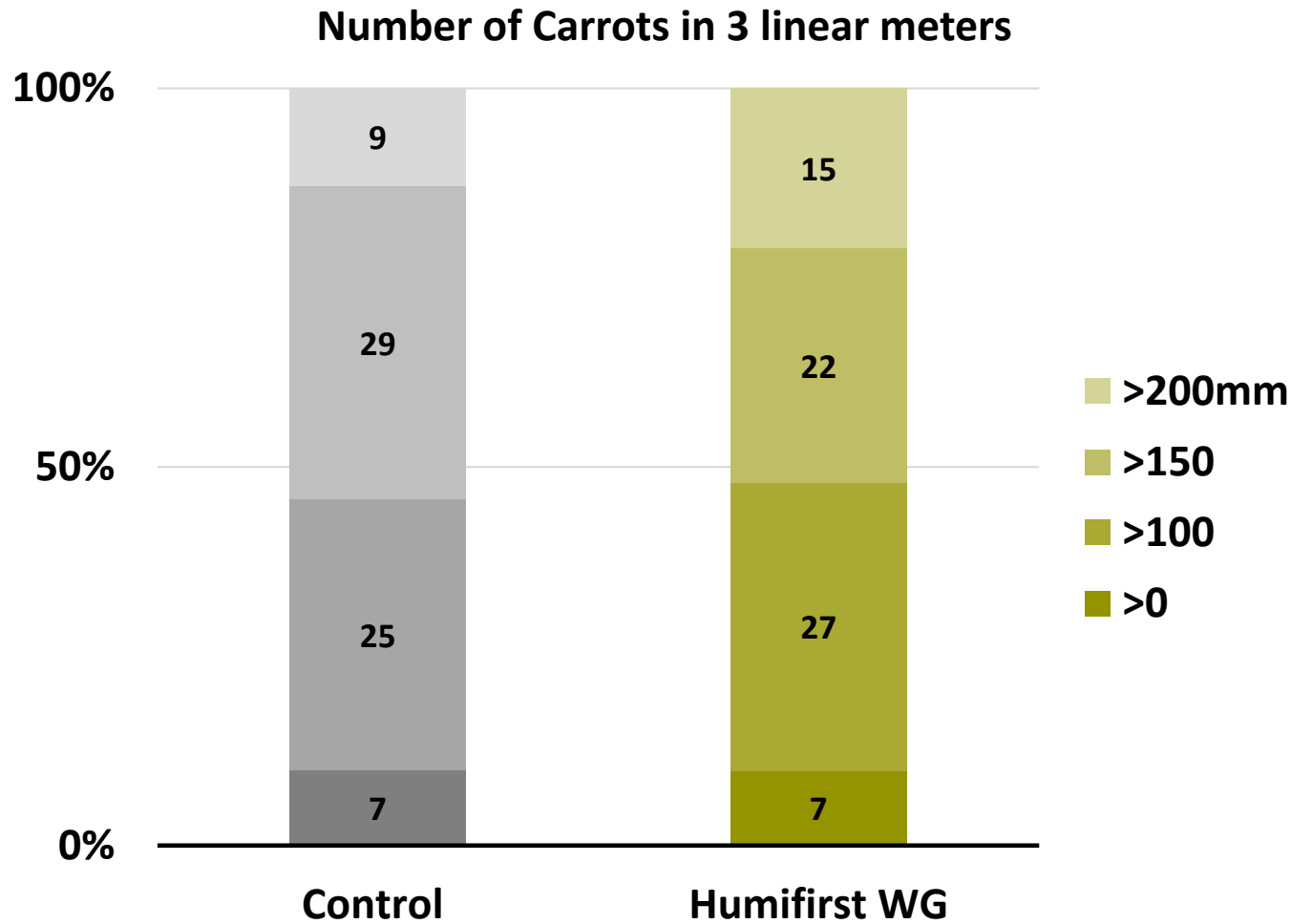


- **Humifirst WG at planting increase** weight of the **200 mm** range by **80%**
- The 150-199 mm range decreased weight by 24%
- **Humifirst WG at planting increase** weight of the **100-149 mm** range by **21%**
- The **0-99 mm** range **decreased** by **50%**

*Note: each treatment was 3 linear m



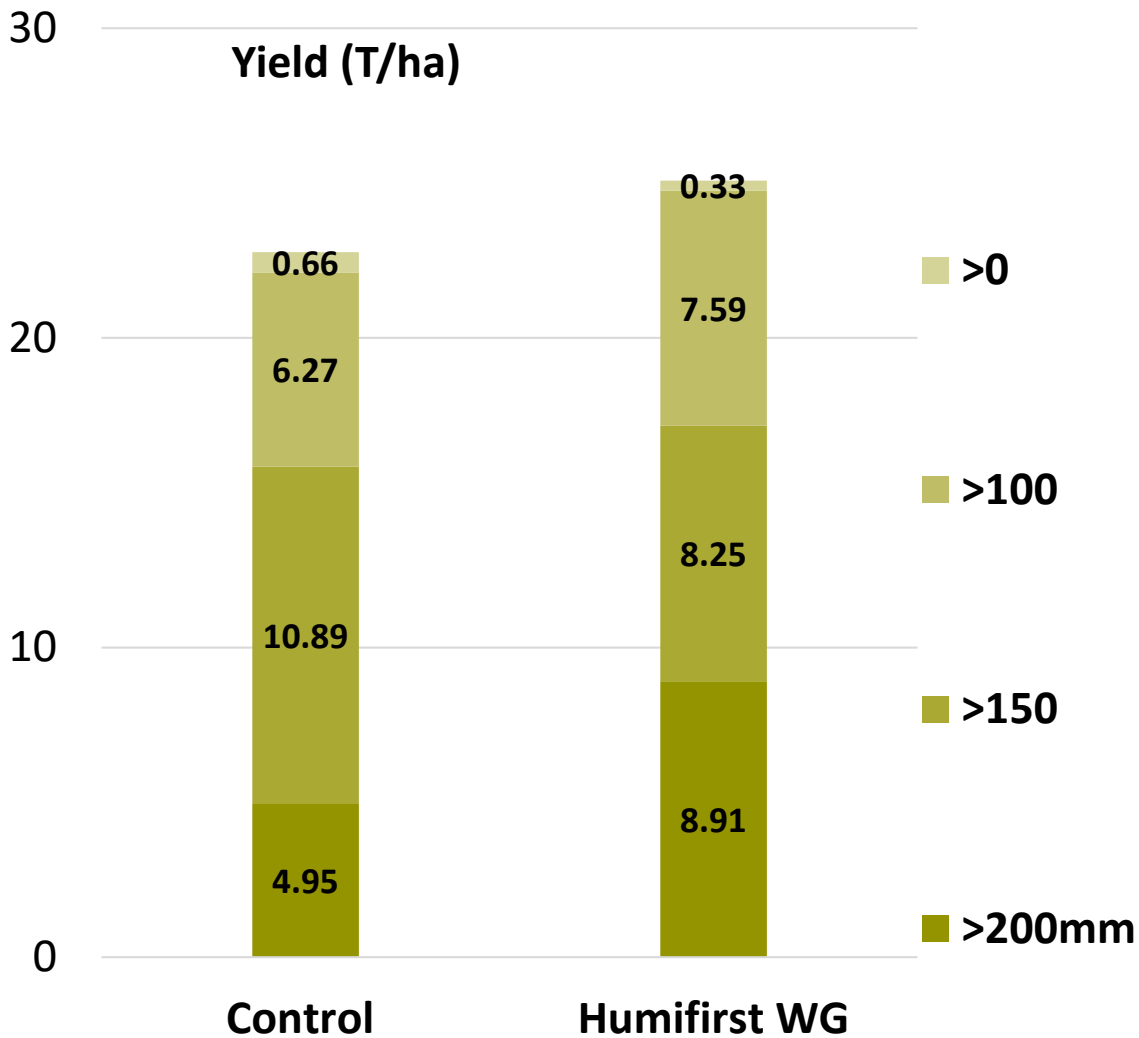
Results – Number of carrots Distribution



- Desired size: +200mm in length



Results – Final Yield



4 kg /ha of Humifirst WG there is an increasement of 3.96 T /ha of +200mm carrots

Price for carrots: \$0.97 /kg

ROI: Humifirst cost = \$63.88 /ha

	Control	Humifirst WG
+200 mm	4.95 Ton/ha	8.91 Ton /ha
+150	10.89	8.25
+100	6.27	7.59
+0	0.66	0.33
Total	22.77 ton/ha	25.08 ton /ha
\$	\$22086,9	\$24327,6

ROI 1:34



- Carrots are Sold by Length over 200 mm and weight.
- **Humifirst WG** increased the **1st Grade carrot weight** by **80%**
- Humifirst WG increased yield (+2 T/ha)
- Harvester Driver commented the Humifirst WG area picked better.

**Humifirst WG @ 4 kg /ha at Planting
Increased 1st Grade Carrots
83 %**

