

NUCLEON

ALMONDS: NUCLEON APPLIED VIA DRIP IRRIGATION

ALMOND CENTRE OF EXCELLENCE
LOXTON, SOUTH AUSTRALIA

Nucleon features

- Liquid enzyme additive with lipase and mannanase to enhance nutrient uptake in horticultural crops
- Helps stimulate native microbial populations
- Can be applied with liquid fertilisers at planting, through fertigation or side dressed in crop
- Helps improve soil and plant health, growth and yield

Treatments

Treatments		Rate mL/ha
1	Grower fertiliser program	--
2	Nucleon + Grower fertiliser program	50
3	Nucleon + Grower fertiliser program	100

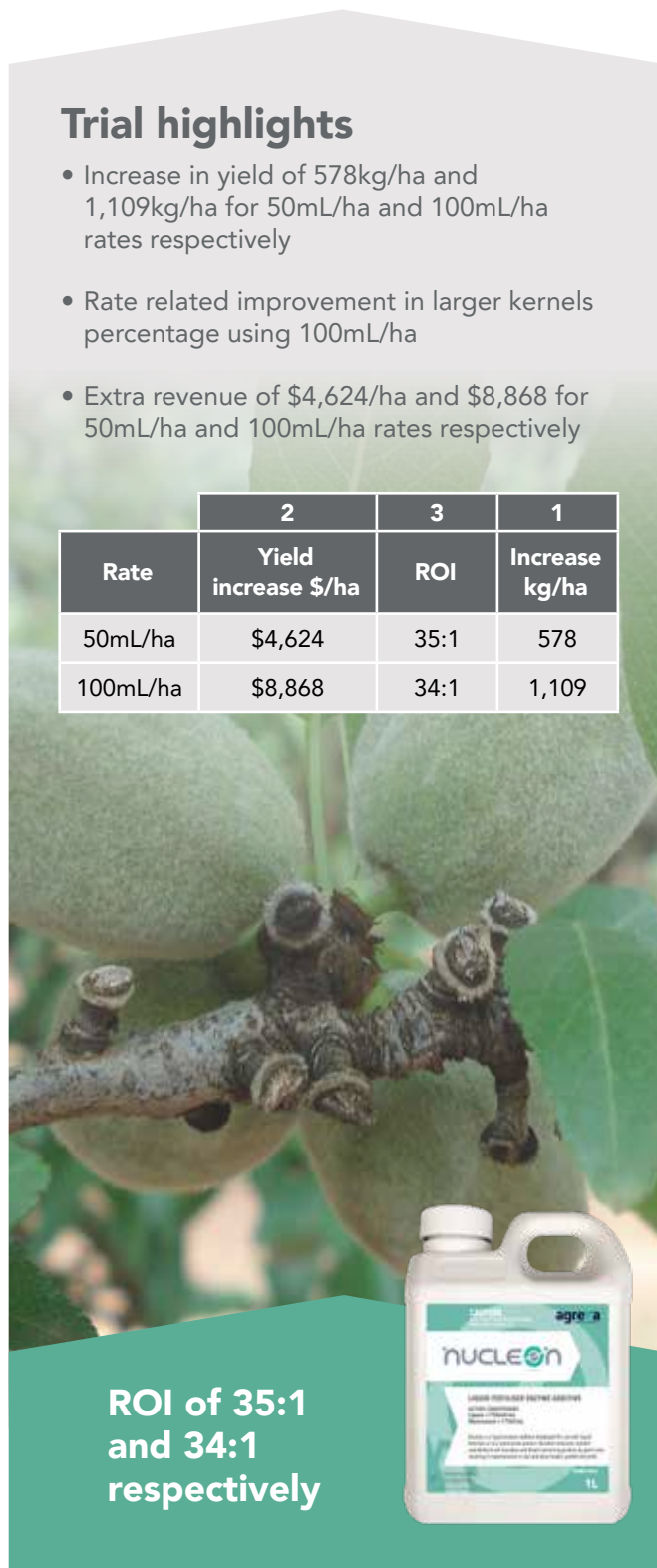
- Tree spacing 7 x 4.5m, 4 years of age, Nonpareil variety
- Drip irrigation rate 1.31mm/hr, irrigation interval 1 day, application rate 16mm per irrigation
- Product applied to whole row via Ezeflow injector
- Trees harvested commercially and weighed into bins
- 200 entire fruit randomly selected from each treatment for quality measurements
- Each sample hand cracked and each kernel weighed individually
- Yield estimated by applying calculated crack out to field weight

Application	Timing	Growth stage	mL/ha
1	15 Sep 2021	Early nut fill	50
2	26 Oct 2021	Late nut fill	
3	29 Mar 2022	Post harvest	
1	20 Sep 2021	Early nut fill	100
2	19 Oct 2021	Late nut fill	
3	01 Apr 2022	Post harvest	

Trial highlights

- Increase in yield of 578kg/ha and 1,109kg/ha for 50mL/ha and 100mL/ha rates respectively
- Rate related improvement in larger kernels percentage using 100mL/ha
- Extra revenue of \$4,624/ha and \$8,868 for 50mL/ha and 100mL/ha rates respectively

Rate	2	3	1
	Yield increase \$/ha	ROI	Increase kg/ha
50mL/ha	\$4,624	35:1	578
100mL/ha	\$8,868	34:1	1,109



ROI of 35:1
and 34:1
respectively

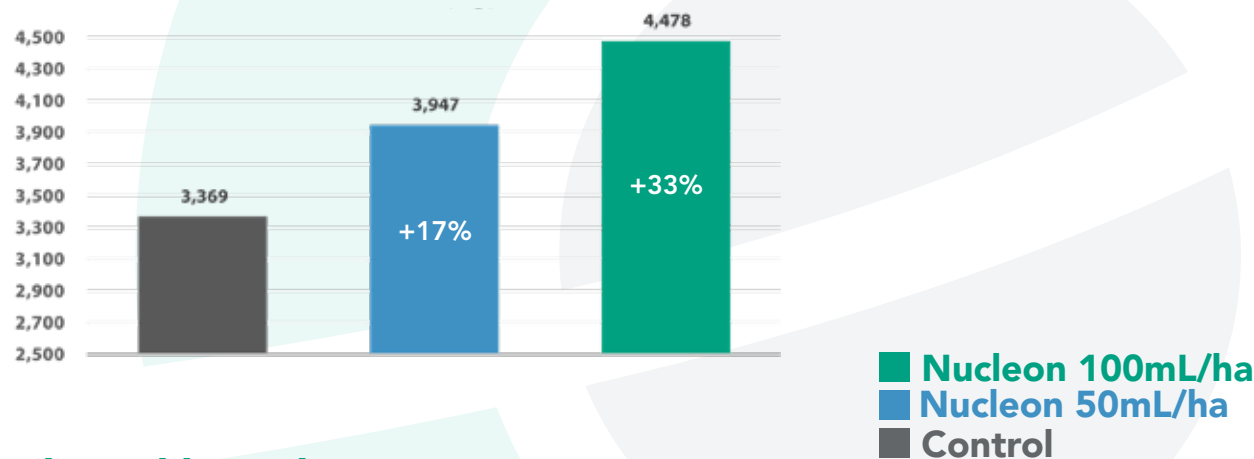
nUCLEON

ALMONDS: NUCLEON APPLIED VIA DRIP IRRIGATION

ALMOND CENTRE OF EXCELLENCE LOXTON, SOUTH AUSTRALIA

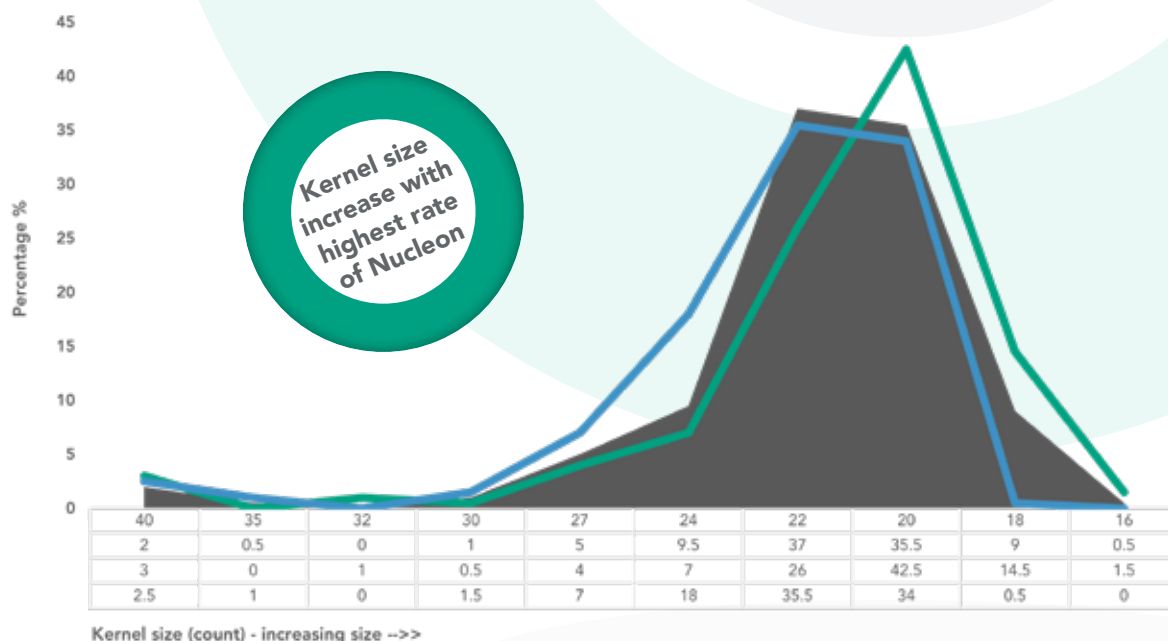
Yield summary

Est. yield (kg/ha)



Almond kernel size

Kernel size (g)



The information provided in this Info Sheet is an extract and does not constitute the full Directions for Use. PLEASE READ THE PRODUCT LABEL THOROUGHLY BEFORE USE.