

### Grape Vines Fertilizer Programme using Lachlan Products

Stage of growth	Product	Dosage	Method of application
Land preparation (Long Term)	Elemental Sulphur	500kg/ha	Broadcasting/Mixing the soil per hole
Before planting	Eco-T Vitazyme	250gms 1Lt In 100Lts water	Root Drip
At planting	DAP Black Majik	50kg/ha 2.5kg/ha	Mix thoroughly and apply (To be worked to a good depth of 30 to 60cm) during soil preparation
One month after planting	Twin N Aton A-Z Vitazyme	1 vial/ha 2Lts/ha 1Lt/ha	Spray the mixture to runoff. Spray in minimum 400Lts water
One and Half Months after planting	Potassium Sulphate	50kg/ha	Sidedress (To be worked well into the soil)
Before Flowering	Turbo Top Pint Ca Trade Bor	2kg/ha 2Lts/ha 1Lt/ha	Spray the mixture to runoff
At Flowering and Two weeks later	Final K	2Lts/ha	Spray the mixture to runoff
At Ripening	Saxon	2Lts/ha	Spray the mixture to runoff

NB: Every week via Drip apply 2kgs/ha where there is Drip.  
No Drip-apply Impact Fe at 2Lts/ha

Building up the soil fertility in advance will enable the vines to develop properly from the onset.

**Crop:**Grape(Vitis Labrusca & Hybrids)

**Number:**50 Petioles

**Plant Part:**Opposite basal Flower Clusters

**Time:**Full Bloom

**Sufficient Nutrient requirements**

Element	Sufficient Levels %
N	1.00-2.5
P	0.30-0.5
K	2.5-5.0
Ca	0.42-1.3
Mg	0.13-0.4
	Ppm
B	25-50
Fe	50-150
Mn	18-100
Zn	20-30