

Potted Blueberry fertiliser trials conducted by PlantNet during 2019, 2020, 2021-

Artificial and organic products have shown the following results and we have found there are some fertilising plans which showed better results than others.

Fertiliser plan 1 produced the largest fruit and the most numbers of Blueberries.

PlantNet cannot recommend specific brands of fertiliser as there can be privacy and confidentiality issues if we do this. Please follow the directions below.

When purchasing fertilisers look for the nutrient analysis on the container to match as closely as possible to the product NPK used in our fertilising plans below. There are products available on the market with the same or similar analysis to what we have used.

Examples of products on the market and how they list nutrient analysis below.

Guaranteed Analysis	
Nitrogen (N)	15.3%
as Ammonium Nitrogen	2.7%
as Nitrate Nitrogen	1.9%
as Urea Nitrogen	10.6%
Phosphorus (P) soluble in neutral ammonium citrate and water	1.96%
Water soluble	1.6%
Potassium (K) as potassium sulphate	12.6%
Sulphur (S) as elemental and sulphate	9.8%
Calcium (Ca)	0.3%
Magnesium (Mg) (3000mg/kg)	0.3%
Iron (Fe) (2200mg/kg)	0.2%
Trace elements - mg/kg	
Boron (B)	50
Copper (Cu)	125
Manganese (Mn)	150
Molybdenum (Mo)	50
Zinc (Zn)	38

ANALYSIS		
NPK RATIO 14N - 5P - 22K		
Nitrogen (N)	as Ammonium	7.25%
Nitrogen (N)	as Nitrate	2.65%
Nitrogen (N)	as Urea	4.1%
TOTAL NITROGEN (N)		14%
TOTAL PHOSPHORUS (P)		
as Water Soluble		5%
Potassium (K)	as Sulphate	14.35%
Potassium (K)	as Nitrate	7.65%
TOTAL POTASSIUM (K)		22%
Sulphur (S)	as Sulphate	8.9%
Iron (Fe)	as EDTA (Chelate)	0.1%
Copper (Cu)	as EDTA (Chelate)	0.02%
Zinc (Zn)	as EDTA (Chelate)	0.02%
Manganese (Mn)	as EDTA (Chelate)	0.02%
Boron (B)	as Sodium Borate	0.02%
Molybdenum (Mo)	as Sodium Molybdate	0.002%
Phosphorus (P) 0.011% diluted as per directions of 4 heaped teaspoons to 9 Litres water.		
Impurities		
Maximum Biuret - 6.3mg biuret/Kg N		

Three different fertiliser plans were used. Apply once a fortnight for best results but every 3 weeks is fine.

Fertiliser plan 1- This has shown the best plant growth and cropping results. Use all products in the plan and apply separately and water in. *Apply 1 tablespoon of controlled release fertiliser straight after planting and nothing else for 3 weeks.*

Products used:

Product 1- Controlled release fertiliser with analysis of (N)Nitrogen 15.3, (P) Phosphorous 2, (K) Potassium 12.6 & *has some trace elements.*

Product 2- Urea (N) Nitrogen 46

Product 3- Sulphate of Potash (K) Potassium 41

Product 4- Liquid trace element mix.

Fertiliser plan 2- Produced 30% less fruit than Fertiliser plan 1 This has shown the best plant growth and cropping results. Use all products in the plan and apply separately and water in. *Begin fertilising 3 weeks after planting.*

Products used:

Product 1- Soluble fertiliser blend- (N)Nitrogen 14, (P) Phosphorous 2.6, (P) Potassium 21

Product 2- Gradual release fertiliser blend- (N)Nitrogen 13, (P) Phosphorous 1.0, (P) Potassium 11 *Has some trace elements*

Product 3- Liquid Potassium- (K) Potassium 14

Product 4- Liquid trace element mix

Fertiliser plan 3 (fully Organic) produced 60% less fruit than Fertiliser plan 2 and 80% less fruit than Fertiliser plan 1 . Use all products in the plan and apply separately and water in. *Apply 1 tablespoon of controlled release fertiliser straight after planting and nothing else for 3 weeks.*

Products used:

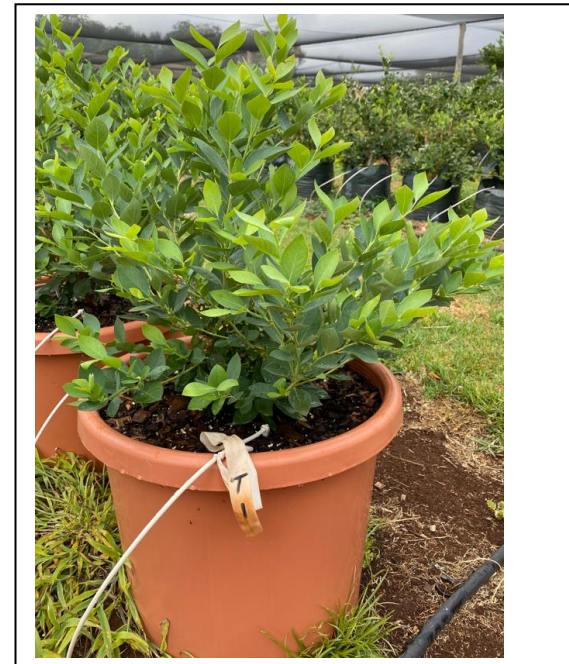
Product 1- Organic Controlled release fertiliser with analysis of (N)Nitrogen 15.3, (P) Phosphorous 2, (K) Potassium 12.6 *Has some trace elements*

Product 2- Natural Potash- (K) Potassium 41

Product 3- Seaweed, fish, humic acid, and manure.

Product 4- Kelp, seaweed, humic acid, and manure have been digested by the beneficial bacteria.

When plants get to this size go to year 2 fertiliser recommendations.
After year 2 if plants are growing to 1 meter each year double all rates.



Fertiliser plan 1- Planting to 12 months old (rates are per plant) (Litres = l, Millilitres= mls, Grams = g, Table spoon= tbl spoon, Dessert Spoon= dst spoon)

Product	Jan & Feb week 1	Jan & Feb week 3	Mar week 1	Mar week 3	April week 1	April week 3	May week 1	May week 3
Urea	10 g	10g	10g	10g	10g	10g		
Potash	10g	10g	10g	10g	10g	10g	10g	10g
Controlled release fertiliser	1 tbl spoon							
Seaweed solution - Apply every week as a drench over plants.							7 mls/2 l water	7mls/2l water
Liquid trace elements		4mls/ 2l water			4mls/ 2 water			4mls/ 2l water
Product	June week 1	June week 3	July week 1	July week 3	Aug week 1	Aug week 3	Sept week 1	Sept week 3
Urea								10g
Potash	10g	10g	10g	10g	10g	10g	10g	10g
Controlled release fertiliser	1 tbl spoon							
Seaweed solution- Apply every week as a drench over plants	7mls/2 l water	7mls/2 l water	7mls/2 l water	7mls/2 l water	7mls/2 l water	7mls/2 l water	7mls/2 l water	7mls/2 l water
Liquid trace elements			4mls/ 2l water			4mls/ 2l water		
Product	Oct week 1	Oct week 3	Nov week 1	Nov week 3	Dec week 1	Dec week 3		
Urea	20g	20g	20g	20g	20g	20g		
Potash	10g	10g	10g	10g	10g	10g		
Controlled release fertiliser	1 tbl spoon					2 tbl spoon		
Liquid trace elements	4mls/ 2l water			4mls/ 2l water				

Fertiliser plan 1- Year 2 (Litres = l, Millilitres= mls, Grams = g, Tablespoon= tbl spoon, Dessert Spoon= dst spoon)

Product	Jan & Feb week 1	Jan & Feb week 3	Mar week 1	Mar week 3	April week 1	April week 3	May week 1	May week 3
Urea	10 g	10g	10g	10g	10g	10g		
Potash	10g	10g	10g	10g	10g	10g	10g	10g
Controlled release fertiliser	1 tbl spoon							
Seaweed solution - Apply every week as a drench over plants							7mls/2 l water	7mls/2 l water
Liquid trace elements		4mls/ 2l			4mls/ 2l			4mls/ 2l
Product	June week 1	June week 3	July week 1	July week 3	Aug week 1	Aug week 3	Sept week 1	Sept week 3
Urea								10g
Potash	10g	10g	10g	10g	10g	10g	10g	10g
Controlled release fertiliser	1 tbl spoon							
Seaweed Solution- Apply every week as a drench over plants	7mls/2 l water	7mls/2 l water	7mls/2 l water	7mls/2 l water	7mls/2 l water	7mls/2 l water	7mls/2 l water	7mls/2 l water
Liquid trace elements			4mls/ 2 l water			4mls/ 2 l water		
Product	Oct week 1	Oct week 3	Nov week 1	Nov week 3	Dec week 1	Dec week 3		
Urea	20g	20g	20g	20g	20g	20g		
Potash	10g	10g	10g	10g	10g	10g		
Controlled release fertiliser	1 tbl spoon					2 tbl spoons		
Liquid trace elements	4mls/ 2 l water			4mls/ 2 l water				

Fertiliser plan 2- Year 2 (Litres = l, Millilitres= mls, Grams = g, Tablespoon= tbl spoon, Dessert Spoon= dst spoon)

Product	Jan & Feb week 1	Jan & Feb week 3	Mar week 1	Mar week 3	April week 1	April week 3	May week 1	May week 3
Soluble fertiliser blend	4mls/ 2 l water	4mls/ 2 l water	4mls/ 2 l water	4mls/ 2 l water	4mls/ 2 l water	4mls/ 2 l water		
Liquid potash	4mls/ 2 l water	4mls/ 2 l water	4mls/ 2 l water	4mls/ 2 l water	4mls/2 l water	4mls/ 2 l water	4mls/ 2 l water	4mls/ 2 l water
Gradual release fertiliser blend	1 dst spoon							
Seaweed solution - Apply every week as a drench over plants							7mls/2 l water	7mls/2 l water
Liquid trace elements		4mls/ 2 l water			4mls/ 2 l water			4mls/ 2 l water
Product	June week 1	June week 3	July week 1	July week 3	Aug week 1	Aug week 3	Sept week 1	Sept week 3
Soluble fertiliser blend							10g/2 l water	10g/2 l water
Liquid potash	4mls/ 2 l water	4mls/ 2 l water	4mls/ 2 l water	4mls/ 2 l water	4mls/ 2 l water	4mls/ 2 l water	4mls/ 2 l water	4mls/ 2 l water
Gradual release fertiliser blend	1 dst spoon							1 dst spoon
Seaweed solution - Apply every week as a drench over plants	7mls/2 l water	7mls/2 l water	7mls/2 l water	7mls/2 l water	7mls/2 l water	7mls/2 l water	7mls/2 l water	7mls/2 l water
Liquid trace elements			4mls/ 2 l water			4mls/ 2 l water		
Product	Oct week 1	Oct week 3	Nov week 1	Nov week 3	Dec week 1	Dec week 3		
Soluble fertiliser blend	20g/ 2 l water	20g/ 2 l water	20g/ 2 l water	20g/ 2 water	20g/ 2 l water	20g/ 2 l water		
Liquid potash	4 mls/2 l water	4 mls/2 l water	4 mls/2 l water	4 mls/2 l water	4 mls/2 l water	4 mls/2 l water		
Gradual release fertiliser blend	1 dst spoon					2 dst spoon		
Liquid trace elements	4mls/ 2 l water			4mls/ 2 l water				

