

## CROP

## BASAL (per Ha)

## TOP DRESSING (per Ha)

## TIPS FOR A SUCCESSFUL CROP

BEANS



ORGANIC + BIO		
N	P	K
1	1.5	1.2
2% S Max 0.1% Cl 100% ORGANIC CONTENT		

150-200 Kg

ORGANIC TOP DRESSING		
N	P	K
30	0	0
Enhanced Utilization 33% ORGANIC CONTENT		

700kg

Optimum Temperature 18-24 °C.  
Water requirements 400-500 mm per crop.  
pH 5.8 to 6.5 fertile sandy loam soils.  
Plant populations 115,000-177,000.

CITRUS - TREES



ORGANIC + BIO		
N	P	K
1	1.5	1.2
2% S Max 0.1% Cl 100% ORGANIC CONTENT		

500 Kg

ORGANIC TOP DRESSING		
N	P	K
30	0	0
Enhanced Utilization 33% ORGANIC CONTENT		

200-300 Kg

Optimum Temperature 3-40 °C.  
Water requirements 800-1200 mm per year.  
pH 6.0 to 6.5, 10-40% clay.  
Plant populations 250.

MAIZE



ORGANIC + BIO		
N	P	K
1	1.5	1.2
2% S Max 0.1% Cl 100% ORGANIC CONTENT		

350-400 Kg

ORGANIC TOP DRESSING		
N	P	K
30	0	0
Enhanced Utilization 33% ORGANIC CONTENT		

100 Kg

Split the N and apply at 3 weeks and 5 weeks.

Match fertilizer rates to target yield.  
Time nitrogen applications for greatest response.  
Adjust plant density to nutrient and water availability.  
450-600 mm rainfall.

SORGHUM



ORGANIC + BIO		
N	P	K
1	1.5	1.2
2% S Max 0.1% Cl 100% ORGANIC CONTENT		

200-300 Kg

ORGANIC TOP DRESSING		
N	P	K
30	0	0
Enhanced Utilization 33% ORGANIC CONTENT		

100 Kg

Apply when plants are 10 cm tall.

Plant the right hybrid.  
Use a pre-emerge herbicide.  
Use enough fertilizer.  
Seed it correctly.  
300-750 mm.

SUN-FLOWER



ORGANIC + BIO		
N	P	K
1	1.5	1.2
2% S Max 0.1% Cl 100% ORGANIC CONTENT		

150-200 Kg

ORGANIC TOP DRESSING		
N	P	K
30	0	0
Enhanced Utilization 33% ORGANIC CONTENT		

100 Kg

Optimum Temperature 23-28 °C.  
Water requirements 500-1000 mm per crop.  
pH 6.0 to 7.5 fertile sandy loam soils.  
Plant populations 25,000-30,000.

SWEET-REED



ORGANIC + BIO		
N	P	K
1	1.5	1.2
2% S Max 0.1% Cl 100% ORGANIC CONTENT		

150-200 Kg

ORGANIC TOP DRESSING		
N	P	K
30	0	0
Enhanced Utilization 33% ORGANIC CONTENT		

100 Kg

Split N and apply at 4 weeks and 8 weeks.

Optimum Temperature 20-35 °C  
Water requirements 1100-1500 mm per crop.  
pH 6.0 to 7.7 fertile soil.

## CROP

## BASAL (per Ha)

## TOP DRESSING (per Ha)

## TIPS FOR A SUCCESSFUL CROP

POTATOES



ORGANIC + BIO		
N	P	K
1	1.5	1.2
2% S Max 0.1% Cl 100% ORGANIC CONTENT		

1000-1500 Kg

ORGANIC TOP DRESSING		
N	P	K
30	0	0
Enhanced Utilization 33% ORGANIC CONTENT		

200-300 Kg

Split the N between 3 top dressings at 3 weekly intervals.

Optimum Temperature 18-20 °C.  
Water requirements 600-750 mm per crop.  
pH 5.5 to 6.8 well aerated soils  
Plant population 62,000.

RAPE



ORGANIC + BIO		
N	P	K
1	1.5	1.2
2% S Max 0.1% Cl 100% ORGANIC CONTENT		

600 Kg

ORGANIC TOP DRESSING		
N	P	K
30	0	0
Enhanced Utilization 33% ORGANIC CONTENT		

200-300 Kg

Split N and apply at 4 weeks and 8 weeks

Optimum Temperature 18-20 °C.  
Water requirements 380-500 mm per crop.  
pH 5.5 to 6.5, light sand.  
Plant populations 60,000.

SPINACH



ORGANIC + BIO		
N	P	K
1	1.5	1.2
2% S Max 0.1% Cl 100% ORGANIC CONTENT		

600 Kg

ORGANIC TOP DRESSING		
N	P	K
30	0	0
Enhanced Utilization 33% ORGANIC CONTENT		

100 Kg

Split the N and apply at 4 weeks.

Optimum Temperature 20-24 °C.  
Water requirements 380-450 mm per crop.  
pH 6.0 to 6.5 sandy loam, well drained  
Plant populations 80,000-100,000.

SWEET- POTATOES



ORGANIC + BIO		
N	P	K
1	1.5	1.2
2% S Max 0.1% Cl 100% ORGANIC CONTENT		

600 Kg

ORGANIC TOP DRESSING		
N	P	K
30	0	0
Enhanced Utilization 33% ORGANIC CONTENT		

100 Kg

Split N and apply at 4-5 weeks and 10-12 weeks from planting.

Optimum Temperature 21-29 °C.  
Water requirements 450-600 mm per crop.  
pH 6.0 sandy loam soils.  
Plant populations 40,000.

TOMATOES



ORGANIC + BIO		
N	P	K
1	1.5	1.2
2% S Max 0.1% Cl 100% ORGANIC CONTENT		

800-1000 Kg

ORGANIC TOP DRESSING		
N	P	K
30	0	0
Enhanced Utilization 33% ORGANIC CONTENT		

100 Kg

Apply 1-2 L of Mainstay Ca per Ha every second week to prevent Blossom End Rot.



Optimum Temperature 20-24 °C.  
Water requirements 450-600 mm per crop.  
pH 6.0 to 7.0 with high levels of organic matter.  
Plant populations 24,000.

WATER-MELON



ORGANIC + BIO		
N	P	K
1	1.5	1.2
2% S Max 0.1% Cl 100% ORGANIC CONTENT		

500 Kg

ORGANIC TOP DRESSING		
N	P	K
30	0	0
Enhanced Utilization 33% ORGANIC CONTENT		

200-300 Kg

Split between two side dressings.

Optimum Temperature 18-35 °C.  
Water requirements 500-600 mm per crop.  
pH 5.8 to 6.6 with high levels of organic matter.  
Plant population 18,000.



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## TIPS FOR A SUCCESSFUL CROP



**BEETROOT**

ORGANIC + BIO			
N	P	K	
1	1,5	1,2	
2% S Max 0.1% Cl 100% ORGANIC CONTENT			
500 Kg			

ORGANIC TOP DRESSING			
N	P	K	
30	0	0	
Enhanced Utilization			
33% ORGANIC CONTENT			
200-300 Kg			

Split the N and apply at 10, 20, 30 and 40 days after sowing.

Optimum Temperature 18-24 °C.  
Water requirements 300-350 mm per crop.  
pH 6.0 to 8.0 fertile, high organic matter, well drained soils.  
Plant population 350,000-500,000.



**BROCOLLI**

ORGANIC + BIO			
N	P	K	
1	1,5	1,2	
2% S Max 0.1% Cl 100% ORGANIC CONTENT			
800-1000 Kg			

ORGANIC TOP DRESSING			
N	P	K	
30	0	0	
Enhanced Utilization			
33% ORGANIC CONTENT			
500 Kg			

Split the N and apply at 7, 14, 21 and 28 days after transplanting.

Optimum Temperature 15-18 °C.  
Water requirements 500-750 mm per crop.  
pH 6.0 to 6.5 with high levels of organic matter.  
Plant populations 45,000.



**BUTTERNUT**

ORGANIC + BIO			
N	P	K	
1	1,5	1,2	
2% S Max 0.1% Cl 100% ORGANIC CONTENT			
600 Kg			

ORGANIC TOP DRESSING			
N	P	K	
30	0	0	
Enhanced Utilization			
33% ORGANIC CONTENT			
100 Kg			

Split the N between 3 top dressings at 3 weekly intervals.

Optimum Temperature 18-27 °C.  
Water requirements 500-600 mm per crop.  
pH 5.6 to 6.5 sandy loam, well drained.  
Plant populations 12,000.



**CABBAGE**

ORGANIC + BIO			
N	P	K	
1	1,5	1,2	
2% S Max 0.1% Cl 100% ORGANIC CONTENT			
800-1000 Kg			

ORGANIC TOP DRESSING			
N	P	K	
30	0	0	
Enhanced Utilization			
33% ORGANIC CONTENT			
500 Kg			

Split the N and apply at 14, 28 and 45 days after transplanting.

Optimum temperature 18-20 °C.  
Water requirements 380-500 mm per crop.  
pH 5.5 to 6.5 with high levels of organic matter.  
Plant populations 40,000-45,000.



**CARROTS**

ORGANIC + BIO			
N	P	K	
1	1,5	1,2	
2% S Max 0.1% Cl 100% ORGANIC CONTENT			
600 Kg			

ORGANIC TOP DRESSING			
N	P	K	
30	0	0	
Enhanced Utilization			
33% ORGANIC CONTENT			
200-300 Kg			

Apply when plants are 10 cm tall.

Optimum Temperature 10-25 °C.  
Water requirements 900 mm per crop.  
pH 6.5 to 7.0 sandy light soils.  
Plant populations 900,000-1.5 million.



**CAULI-FLOWER**

ORGANIC + BIO			
N	P	K	
1	1,5	1,2	
2% S Max 0.1% Cl 100% ORGANIC CONTENT			
800-1000 Kg			

ORGANIC TOP DRESSING			
N	P	K	
30	0	0	
Enhanced Utilization			
33% ORGANIC CONTENT			
500 Kg			

Split the N and apply at 14, 28 and 45 days after transplanting.

Optimum Temperature 15-22 °C.  
Water requirements 500-750 mm per crop.  
pH 6.0 to 6.5 with high levels of organic matter.  
Plant populations 33,000

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**CUCUMBER**

ORGANIC + BIO			
N	P	K	
1	1,5	1,2	
2% S Max 0.1% Cl 100% ORGANIC CONTENT			
500 Kg			

ORGANIC TOP DRESSING			
N	P	K	
30	0	0	
Enhanced Utilization			
33% ORGANIC CONTENT			
100 Kg			

Apply 4 weeks after planting.

Optimum Temperature 15-20 °C.  
Water requirements 500-600 mm per crop.  
pH 6.0 to 6.5 fertile, high organic matter, well drained soils.  
Plant populations 40,000-50,000.



**GEM SQUASH**

ORGANIC + BIO			
N	P	K	
1	1,5	1,2	
2% S Max 0.1% Cl 100% ORGANIC CONTENT			
600 Kg			

ORGANIC TOP DRESSING			
N	P	K	
30	0	0	
Enhanced Utilization			
33% ORGANIC CONTENT			
100 Kg			

Split N between 3 top dressings at 3 weekly intervals.

Optimum Temperature 18-27 °C.  
Water requirements 500-600 mm per crop.  
pH 5.6 to 6.5 sandy loam, well drained.  
Plant populations 12000.



**GREEN-BEANS**

ORGANIC + BIO			
N	P	K	
1	1,5	1,2	
2% S Max 0.1% Cl 100% ORGANIC CONTENT			
600 Kg			

ORGANIC TOP DRESSING			
N	P	K	
30	0	0	
Enhanced Utilization			
33% ORGANIC CONTENT			
200-300 Kg			

Apply 3 weeks after planting.

Optimum Temperature 24-27 °C.  
Water requirements 650-750 mm per crop.  
pH 5.0 to 6.5 sandy loam, well drained.  
Plant populations 250,000-280,000.



**LETTUCE**

ORGANIC + BIO			
N	P	K	
1	1,5	1,2	
2% S Max 0.1% Cl 100% ORGANIC CONTENT			
600 Kg			

ORGANIC TOP DRESSING			
N	P	K	
30	0	0	
Enhanced Utilization			
33% ORGANIC CONTENT			
200-300 Kg			

Apply 4 weeks after planting.

Optimum Temperature 12-20 °C.  
Water requirements 200-400 mm per crop.  
pH 5.6 to 6.5 sand to clay, well drained.  
Plant populations 60,000-100,000.



**ONION**

ORGANIC + BIO			
N	P	K	
1	1,5	1,2	
2% S Max 0.1% Cl 100% ORGANIC CONTENT			
1000 Kg			

ORGANIC TOP DRESSING			
N	P	K	
30	0	0	
Enhanced Utilization			
33% ORGANIC CONTENT			
200-300 Kg			

Apply half at 2 leaf stage and half at 4 weeks.

Optimum Temperature 22-28 °C.  
Water requirements 500-600 mm per crop.  
pH 6.0 to 6.8 fertile, well drained soils.  
Plant populations 700,000-800,000.



**PEPPERS**

ORGANIC + BIO			
N	P	K	
1	1,5	1,2	
2% S Max 0.1% Cl 100% ORGANIC CONTENT			
800-1000 Kg			

ORGANIC TOP DRESSING			
N	P	K	
30	0	0	
Enhanced Utilization			
33% ORGANIC CONTENT			
200-300 Kg			

Apply 1-2 L of Mainstay Ca per Ha every second week to prevent Blossom End Rot.



Optimum Temperature 18-20 °C.  
Water requirements 600 mm per crop.  
pH 6.0 to 7.0 deep fertile, well drained soils.  
Plant populations 30,000.