



# AfroDripTec Irrigation

For all your Drip Irrigation, Agronomic Services & Agricultural Equipment

20 St Quintin Avenue  
Eastlea  
Harare, Zimbabwe

+263 775998144  
+263 779818621  
+263 717023348  
admin@afrodripte.com  
www.afrodripte.com

## Cucumber Spraying Guide Zimbabwe

### Recharge Drenching

**7 days** prior to transplanting, on the day of transplanting Drench **Replenisher** at a rate of 30g per knapsack or 1-1.5kg per hectare kindly note that the nozzle has to be removed. Should drenching be missed on the day of transplanting this can be done at any point during the plants life cycle. **Drenching of Recharge needs to be done every 28-30 days.**

### Rain Days or Use of Sprinkler System

**Farmers using system or when it's raining we strongly advise you mix Biotrine (10ml) and Fytomax (25ml for regular rain/sprinkling or 40ml for frequent rainfalls/frequently) in one knapsack, as that creates an oily mixture (spreader feel) that won't be washed away by the rain. Meaning the spray will last at least one week without wash-off.**

**Target Pests:** *DBM absoluta, Fall Armyworm, Spider mites, Whiteflies, Aphids, Thrips, Fungi, Nematodes and Moths*

### Week 1

Install <b>DBM traps</b> at a rate of at least 1 per 1000-2000m <sup>2</sup> ; keep an eye on the black sticky paper replacement which is based on level of infestation. Install <b>Whitefly/Aphid Traps</b> at a rate of at least 1 per 1000-1500m <sup>2</sup> .	
Ideal seedling should be 12cm-15cm...Pencil thick...3-5 true leaves.	
Spacing of 30-50cm in row	
Drench <b>30g Replenisher</b> per knapsack around and on the plant (total cover including the stem area) after transplanting against cutworms, nematodes and DBM Absoluta pupae. <i>This acts as a potent insecticide and Fungicide(forming a coat around the plant to prevent fungi attack).</i>	
<b><u>NB: Do not use a non Afrodripte recommended Fungicides within 7 days of spraying Replenisher as this will kill the microbes</u></b>	

Notes.....

### Week 2

Maintain <b>DBM traps</b> at a rate of at least 1 per 1000m <sup>2</sup> ; keep an eye on the black sticky paper replacement which is based on level of infestation. Maintain <b>Whitefly/Aphid Traps</b> at a rate of at least 1 per 1500m <sup>2</sup> .	
Every <b>Monday's</b> spray <b>25ml Fytogwanz</b> <i>per</i> knapsack.	
Every <b>Friday's</b> Spray <b>Replenisher</b> as a foliar on the plant leaves (total cover) at a rate of 30g per knapsack. This acts a local preventative or curative fungicide	



# AfroDripTec Irrigation

For all your Drip Irrigation, Agronomic Services & Agricultural Equipment

20 St Quintin Avenue  
Eastlea  
Harare, Zimbabwe

+263 775998144  
+263 779818621  
+263 717023348  
admin@afrodripte.com  
www.afrodripte.com

## Week 3

Maintain <b>DBM traps</b> at a rate of at least 1 per 1000m <sup>2</sup> ; keep an eye on the black sticky paper replacement which is based on level of infestation. Maintain <b>Whitefly/Aphid Traps</b> at a rate of at least 1 per 1500m <sup>2</sup> .	
Every Monday's (if possible otherwise next day) spray <b>10ml Gonye Eliminator</b> <i>per</i> knapsack.	
Every <b>Friday's</b> Spray <b>Replenisher</b> as a foliar on the plant leaves (total cover) at a rate of 30g per knapsack. This acts a local preventative	

## Week 4

Maintain <b>DBM traps</b> at a rate of at least 1 per 1000m <sup>2</sup> ; keep an eye on the black sticky paper replacement which is based on level of infestation. Maintain <b>Whitefly/Aphid Traps</b> at a rate of at least 1 per 1500m <sup>2</sup> .	
Every Monday's (if possible otherwise next day) spray <b>25ml Fytogwanz</b> <i>per</i> knapsack.	
Every <b>Friday's</b> Spray <b>Replenisher</b> as a foliar on the plant leaves (total cover) at a rate of 30g per knapsack. This acts a local preventative	
<i>NB: Do not use a non Afrodripte recommended Fungicides within 7 days of spraying <b>Replenisher</b> as this will kill the microbes</i>	
<i>NB 2: Use a <b>AfrodripTec</b> recommended curative Fungicide should you notice any signs of blight or black stems</i>	

Notes.....

## Week 5

Maintain <b>DBM traps</b> at a rate of at least 1 per 1000m <sup>2</sup> ; keep an eye on the black sticky paper replacement which is based on level of infestation. Maintain <b>Whitefly/Aphid Traps</b> at a rate of at least 1 per 1500m <sup>2</sup> .	
Every Monday's (if possible otherwise next day) spray <b>25ml Fytogwanz</b> <i>per</i> knapsack.	
On <b>Tuesday</b> Drench the soil area at a rate of 30g per knapsack of <b>Replenisher</b>	

Notes.....

## Week 6

Maintain <b>DBM traps</b> at a rate of at least 1 per 1000m <sup>2</sup> ; keep an eye on the black sticky paper replacement which is based on level of infestation. Maintain <b>Whitefly/Aphid Traps</b> at a rate of at least 1 per 1500m <sup>2</sup> .	
Every Monday's (if possible otherwise next day) spray <b>10ml Gonye Eliminator</b> <i>per</i> knapsack.	
Every <b>Friday's</b> Spray <b>Replenisher</b> as a foliar on the plant leaves (total cover) at a rate of 30g per knapsack. This acts a local preventative	



# AfroDripTec Irrigation

For all your Drip Irrigation, Agronomic Services & Agricultural Equipment

20 St Quintin Avenue  
Eastlea  
Harare, Zimbabwe

+263 775998144  
+263 779818621  
+263 717023348  
admin@afrodripte.com  
www.afrodripte.com

## Week 7

Maintain <b>DBM traps</b> at a rate of at least 1 per 1000m <sup>2</sup> ; keep an eye on the black sticky paper replacement which is based on level of infestation. Maintain <b>Whitefly/Aphid Traps</b> at a rate of at least 1 per 1500m <sup>2</sup> .	
Every Monday's (if possible otherwise next day) spray <b>25ml Fytogwanz</b> <i>per</i> knapsack.	
On <b>Tuesday</b> Drench the soil area at a rate of 30g per knapsack of <b>Replenisher</b>	

Notes.....

## Week 8

Maintain <b>DBM traps</b> at a rate of at least 1 per 1000m <sup>2</sup> ; keep an eye on the black sticky paper replacement which is based on level of infestation. Maintain <b>Whitefly/Aphid Traps</b> at a rate of at least 1 per 1500m <sup>2</sup> .	
Every Monday's (if possible otherwise next day) spray <b>25ml Fytogwanz</b> <i>per</i> knapsack.	
Next Drench the soil area at a rate of 30g per knapsack of <b>Replenisher</b>	

## Week 9

Maintain <b>DBM traps</b> at a rate of at least 1 per 1000m <sup>2</sup> ; keep an eye on the black sticky paper replacement which is based on level of infestation. Maintain <b>Whitefly/Aphid Traps</b> at a rate of at least 1 per 1500m <sup>2</sup> .	
Every Monday's (if possible otherwise next day) spray <b>10ml Gonye Eliminator</b> <i>per</i> knapsack.	
On <b>Tuesday</b> Drench the soil area at a rate of 30g per knapsack of <b>Replenisher</b>	
Every <b>Friday's</b> Spray <b>Replenisher</b> as a foliar on the plant leaves (total cover) at a rate of 30g per knapsack. This acts a local preventative	

## Week 10

Maintain <b>DBM traps</b> at a rate of at least 1 per 1000m <sup>2</sup> ; keep an eye on the black sticky paper replacement which is based on level of infestation. Maintain <b>Whitefly/Aphid Traps</b> at a rate of at least 1 per 1500m <sup>2</sup> .	
Every Monday's (if possible otherwise next day) spray <b>25ml Fytogwanz</b> <i>per</i> knapsack.	
Every <b>Friday's</b> Spray <b>Replenisher</b> as a foliar on the plant leaves (total cover) at a rate of 30g per knapsack. This acts a local preventative	



# AfroDripTec Irrigation

For all your Drip Irrigation, Agronomic Services & Agricultural Equipment

20 St Quintin Avenue  
Eastlea  
Harare, Zimbabwe

+263 775998144  
+263 779818621  
+263 717023348  
admin@afrodripte.com  
www.afrodripte.com

**Kindly NOTE:** Biotrine = Gonye Eliminator, Fytomax = FytoGwanz & Recharge = Replenisher

## BioRational Chemical Costs

### IPM for 3000 Plants

	<u>Quantity</u>	<u>Cost</u>
DBM traps	2Traps	\$13US
Whitefly-Aphid-Thrips Traps	3 Traps	\$4.50US
Biotrine	100ml	\$16US
Fytomax	200ml	\$18US
Recharge	250g	\$18US
<b>TOTAL COST</b>		<b>\$69.50US</b>

### IPM for 1500 Plants

	<u>Quantity</u>	<u>Cost</u>
DBM traps	1Trap	\$6.50US
Whitefly-Aphid-Thrips Traps	1 Trap	\$1.50US
Biotrine	50ml	\$8US
Fytomax	100ml	\$9US
Recharge	250g	\$18US
<b>TOTAL COST</b>		<b>\$43US</b>

## BioRational Lure Traps Costs

Whitefly &Aphid Traps:	\$1 each, 1 trap per 1500 plants	<i>"Our Lure lasts 8weeks"</i>
DBM Absoluta Traps:	\$6.50 each (full set), 1 trap per 2000 plants,	<i>"Our Lure lasts 6 weeks"</i>
Fruit fly Traps:	\$6.50 (full set) 1 trap per 500 plants	<i>"Our Lure lasts 6 weeks"</i>





## AfroDripTec Irrigation

For all your Drip Irrigation, Agronomic Services & Agricultural Equipment

20 St Quintin Avenue  
Eastlea  
Harare, Zimbabwe

+263 775998144  
+263 779818621  
+263 717023348  
admin@afrodripte.com  
www.afrodripte.com

# AFRODRIPTEC SEEDS FERTILIZER CUCUMBER PRODUCTION GUIDE

Cucumber is one of the most important vitamin rich vegetables grown in Zimbabwe. It is a half hardy, annual sub-tropical fruit vegetable used in salads or cooked as a vegetable, processed into Cucumber paste, sauce and puree.

### Land Preparation

1 Week before or on the day of planting, spray the soil in the root area with **Recharge: 25g per 16 litre water. Please note cup number 16 is equivalent to 10g of Recharge/Replenisher**

### Plant Catalyst

***We recommend the reduction of basal and top dressing by 25% in the first season and you record and increased yield by up to 30% still. This can be followed by a 40-50% reduction. This program is based on 25-33% reduction.***

### Fertilisers

Base Dressing: Apply 22g Compound C.

Top Dressing AN: Apply 100g/16 litres of water

Top Dressing MAP 100g /16 litres of water. Top Dressing MOP: 100g/16 litres of water

Calcium Nitrate 100g g/16 litres of water. Potassium Nitrate 100g / 16 litres of water

MAP= Mono Ammonium Phosphate , MOP= Muriate of Potash

## Cucumber Growing Tips

- **You can help indeterminate varieties to set fruit earlier by pinching off the tips of the main.**
- About an hour before planting, water your Cucumbers thoroughly.
- Add water to the hole. That's the time to clip off the lower set of leaves.
- The perfect planting day is cloudy or overcast. If you must plant when it's sunny, do it early or later in the day so that seedlings aren't as stressed by the strong light.
- Make sure it's consistently warm both day and night. Cucumbers don't like to be cold.
- Place Cucumber plants 35-45cm apart. Indeterminates
- need more space than determinates since they continue to grow.
- Transplanted seedlings with yellowed leaves at the base need to be fed again.



# AfroDripTec Irrigation

For all your Drip Irrigation, Agronomic Services & Agricultural Equipment

20 St Quintin Avenue  
Eastlea  
Harare, Zimbabwe

+263 775998144  
+263 779818621  
+263 717023348  
admin@afrodripte.com www.afrodripte.com

## Week 1

<b>Compound C</b> cup 22g/plant	
<b>MAP</b> 100g/16 litres of water and drench each planting station.	
<b>Drench</b> the seedlings with Plant catalyst at a rate of 30ml per 16-20L water.	

Notes.....  
.....  
.....

## Week 2

Cup number 5g per plant of <b>AN</b> on top of soil 5cm away from plant	
<b>MAP</b> 100g/16 litres of water and drench around the plant.	
<b>Foliar Spray</b> plants with Plant catalyst at a rate of 30ml per 16-20L water or 150ml per 200L water.	

Notes.....  
.....  
.....

## Week 3

<b>MOP</b> cup number 5g per plant	
Spray <b>Calcium Nitrate</b> early morning at 100g/16 litres of water for the <i>control Cucumber blossom end rot</i>	
<b>Foliar Spray</b> plants with Plant catalyst at a rate of 30ml per 16-20L water or 150ml per 200L water.	

Notes.....  
.....  
.....

## Week 4

Cup number 5g per plant of <b>AN</b> on top of soil 5cm away from plant	
<b>Foliar Spray</b> plants with Plant catalyst at a rate of 30ml per 16-20L water or 150ml per 200L water.	

Notes.....  
.....  
.....



# AfroDripTec Irrigation

For all your Drip Irrigation, Agronomic Services & Agricultural Equipment

20 St Quintin Avenue  
Eastlea  
Harare, Zimbabwe

+263 775998144  
+263 779818621  
+263 717023348  
admin@afrodripte.com  
www.afrodripte.com

## Week 5

<b>Trellising</b> begins	
<b>MOP</b> cup number 5g per plant	
Spray <b>Calcium Nitrate</b> early morning at 100g/16 litres of water for the <i>control Cucumber blossom end rot</i>	
<b>Foliar Spray</b> plants with Plant catalyst at a rate of 30ml per 16-20L water or 150ml per 200L water.	

Notes.....  
.....

## Week 6

Spray <b>Potassium Nitrate</b> late afternoon at 100 g / 16 litres of water	
<b>MOP</b> cup number 5g per plant	
<b>Foliar Spray</b> plants with Plant catalyst at a rate of 30ml per 16-20L water or 150ml per 200L water.	

Notes.....  
.....

## Week 7

<b>MOP</b> cup number 5g per plant,	
Cup number 5g per plant of <b>AN</b> on top of soil 5cm away from plant	
Spray <b>Calcium Nitrate</b> early morning at 100g/16 litres of water for the <i>control Cucumber blossom end rot</i>	
<b>Foliar Spray</b> plants with Plant catalyst at a rate of 30ml per 16-20L water or 150ml per 200L water.	

Notes.....  
.....

## Week 8

<b>MOP</b> cup number 5g per plant	
<b>Foliar Spray</b> plants with Plant catalyst at a rate of 30ml per 16-20L water or 150ml per 200L water.	
Spray <b>Potassium Nitrate</b> late afternoon at 100 g / 16 litres of water	
<b>Foliar Spray</b> plants with Plant catalyst at a rate of 30ml per 16-20L water or 150ml per 200L water.	

Notes.....

## Week 9





# AfroDripTec Irrigation

For all your Drip Irrigation, Agronomic Services & Agricultural Equipment

20 St Quintin Avenue  
Eastlea  
Harare, Zimbabwe

+263 775998144  
+263 779818621  
+263 717023348  
admin@afrodripte.com  
www.afrodripte.com

<b>MOP</b> cup number 5g per plant	
Spray <b>Calcium Nitrate</b> early morning at 100g/16 litres of water for the <i>control Cucumber blossom end rot</i>	
Cup number 5g per plant of <b>AN</b> on top of soil 5cm away from plant	
<b>Foliar Spray</b> plants with Plant catalyst at a rate of 30ml per 16-20L water or 150ml per 200L water.	

## Week 10

Spray <b>Potassium Nitrate</b> late afternoon at 100 g / 16 litres of water	
<b>Foliar Spray</b> plants with Plant catalyst at a rate of 30ml per 16-20L water or 150ml per 200L water.	

Notes.....

## Week 11

Spray <b>Calcium Nitrate</b> early morning at 100g/16 litres of water for the <i>control Cucumber blossom end rot</i>	
<b>Foliar Spray</b> plants with Plant catalyst at a rate of 30ml per 16-20L water or 150ml per 200L water.	

Notes.....

## Week 12

Spray <b>Potassium Nitrate</b> late afternoon at 100 g / 16 litres of water	
<b>Foliar Spray</b> plants with Plant catalyst at a rate of 30ml per 16-20L water or 150ml per 200L water.	

Notes.....

## Week 13

<b>Foliar Spray</b> plants with Plant catalyst at a rate of 30ml per 16-20L water or 150ml per 200L water.	
Spray <b>Calcium Nitrate</b> early morning at 100g/16 litres of water for the <i>control Cucumber blossom end rot</i>	

Notes.....

**Spray Potassium Nitrate every 14 days from week 11**  
**Spray Calcium Nitrate every 14 days from week 12**