



A 100% natural, cost-effective solution for boosting the growth, repelling insects, and controlling diseases on the farm.



ORGANIC  
Manufactured by  
FABORG



# 100% NATURAL

## **What is AARKA CONCENTRATE® made of?**

AARKA CONCENTRATE® is made of 95% concentrated residue of Calotropis, which is mixed with 5% of various Ayurvedic plants that repel pests and boost the growth and immunity of the plants. The additional plants include notchy, neem, hadjod, eucalyptus, papaya leaves, ginger, pine, etc. This herbal formulation is further enriched with essential microbes sourced from the Western Ghats and indigenous cow dung, creating a powerful, living input.

# HOW AARKA IS MANUFACTURED?



Calotropis and other natural raw materials are wild-harvested or procured from the neighboring farmers



Fibers from the Calotropis plant are extracted and made into a 100% chemical-free vegan wool alternative fabric called WEGANOOOL™

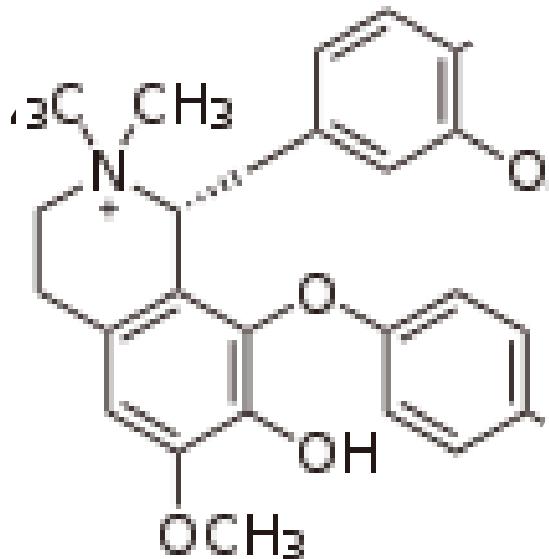


The concentrated residue from fiber extraction along with other herbs is converted into fermented plant extract and enhanced with the essential microbes



**AARKA does not kill insects, it repelles them efficiently!**

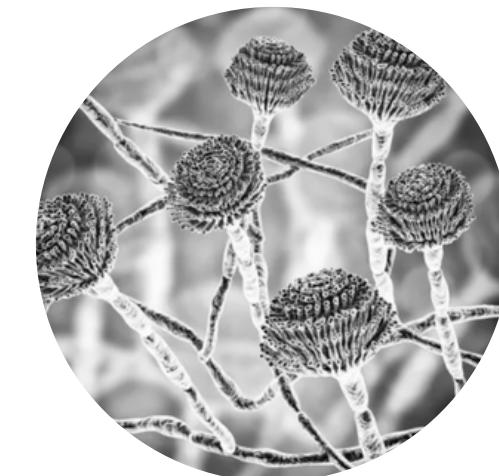
## HOW DOES AARKA WORK?



### 1. Alkaloids

AARKA is packed with alkaloids and tannins, that are unfavored by many herbivorous insects. Alkaloids create indigestion for insects and make them leave your crops to look for better food source.

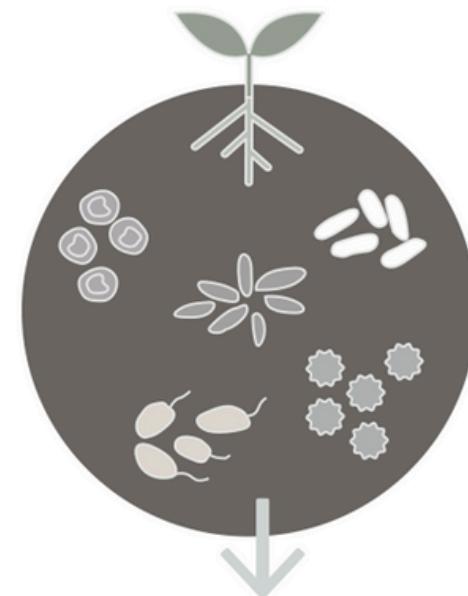
Calotropis plant extract activates a larvicidal activity toward young larvae for a wide range of insects.



### 2. Anti-fungal, -bacterial and -viral properties

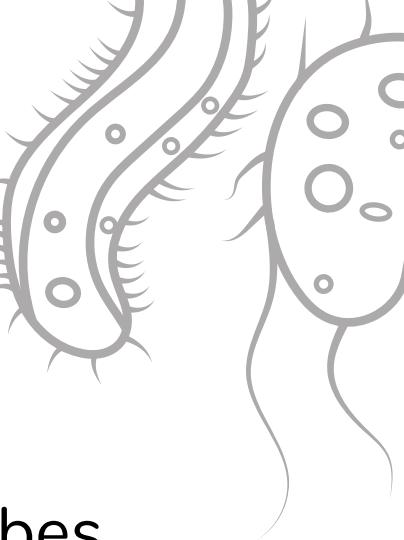
AARKA is a one-stop solution to a wide range of fungal, viral, or bacterial-related problems on the farm.

LIKE OUR GUT, THE SOIL REQUIRES ESSENTIAL MICROBES TO MAINTAIN HEALTH OF THE SOIL AND ENHANCE NUTRIENT ABSORPTION FOR THE PLANTS!



### 3. Essential microbes (EM)

AARKA CONCENTRATE® is enriched with essential microbes derived from traditional inputs like **cow dung, Panchagavya, and Jeevamrutham**. These natural cultures, rooted in Indian farming wisdom, help revive soil life, improve nutrient cycling, and support microbial biodiversity. Entirely local, self-sustaining, and non-GMO, they're ideal for organic and regenerative farming. AARKA acts as a starter kit, and we actively encourage farmers to supplement it with their own indigenous microbial preparations to further enrich their soil and strengthen long-term farm health.



# ESSENTIAL MICROBES PERFORM BETTER IN AARKA THAN IN CONTROLLED LAB ENVIRONMENT!

## Environmental Monitoring Service

Testing and research laboratory for water, soil and food products

Aurobrindavan, Auroville, T.N., India - 605101

Phone: 0413-2964096 / 09786620685

E-mail: ems@auroville.org.in

### Test Report

Customer name: FABORG Pvt.Ltd.

Nature of sample: Liquid

Sample ID:

Sample received: 31/08/2024

Analysis completed: 31/08/2024

Sample collected: By customer

Lab ID: 96

S.no	Sample ID	Control (CFU/ml)	Sample (CFU/ml)	Result*
1.	Paecilomyces lilacinus	$4.7 \times 10^6$	$4.8 \times 10^6$	NAP
2.	Phosphorus solubilizing bacteria	$4.2 \times 10^6$	$4.1 \times 10^6$	NAP
3.	Verticillium lecanii	$5.6 \times 10^6$	$5.5 \times 10^6$	NAP
4.	Metarhizium	$3.8 \times 10^6$	$3.9 \times 10^6$	NAP
5.	Beauveria bassiana	$3.2 \times 10^6$	$3.5 \times 10^6$	NAP
6.	Azospirillum	$2.0 \times 10^6$	$6.0 \times 10^6$	NAP
7.	Potassium solubilizing bacteria	$6.3 \times 10^6$	$7.4 \times 10^6$	NAP
8.	Trichoderma viride	$4.0 \times 10^6$	$7.0 \times 10^6$	NAP
9.	Pseudomonas fluorescens	$2.0 \times 10^6$	$6.0 \times 10^6$	NAP
10.	Bacillus thuringiensis	$2.0 \times 10^6$	$3.0 \times 10^6$	NAP
11.	Rhizobium	$2.5 \times 10^6$	$3.7 \times 10^6$	NAP
12.	Azotobacter	$7.0 \times 10^6$	$9.0 \times 10^6$	NAP
13.	Silica Solubilizing	$3.0 \times 10^6$	$5.0 \times 10^6$	NAP
14.	Trichoderma harzianum	$7.0 \times 10^6$	$1.2 \times 10^6$	NAP
15.	Pochonia	$5.0 \times 10^6$	$8.0 \times 10^6$	NAP
16.	Sulfur mobilizer bacteria	$1.1 \times 10^6$	$1.4 \times 10^6$	NAP
17.	Zinc solubilizing bacteria	$2.3 \times 10^6$	$2.9 \times 10^6$	NAP
18.	Mycelium	$1.7 \times 10^6$	$2.2 \times 10^6$	NAP

\* NAP - No Antimicrobial Properties. Method of Testing: IS:14648:2005

Note: The antimicrobial solution (AARKA) diluted 1:60 with water. Percentage wise it is 1.67%. Then pure culture sample added and mix thoroughly. Contact time 30 min. Samples diluted 0.1%; 1.0%; 10% and added to Petri dishes by pour plate method.

Analyst *R. Padmaja*

Lab executive *Dinesh*



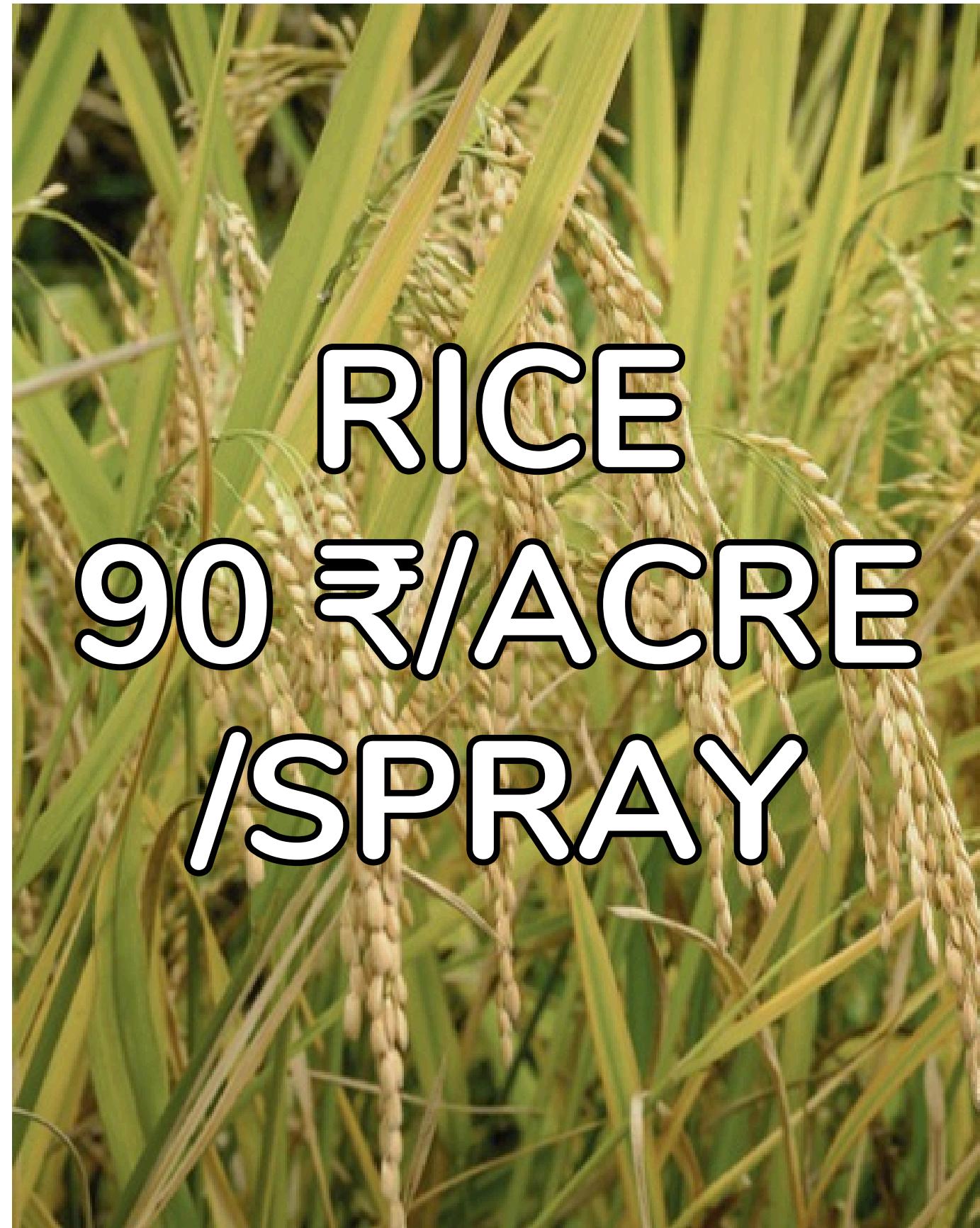
Does not matter if you are already practicing natural farming or just starting with it - AARKA CONCENTRATE® will work at any stage!

## TRANSITIONING FROM CHEMICAL TO NATURAL FARMING

AARKA CONCENTRATE® plant extract, powered with the EM, is an affordable one-stop solution for 99% of the problems on the farm!



AARKA has replaced over  
**200 metric tonnes**  
of agro-chemicals and  
delivered excellent results as  
pest repellent, disease control  
and growth booster on  
**77+ crops**



**RICE  
90 ₹/ACRE  
/ISPRAY**

Coconut, Cashew, Tomato,  
Cucumber, Mango, Banana,  
Papaya, Dragon Fruit,  
Lemon, Orange, Guava,  
Avocado, Murengai  
(Drumstick), Areca Nut,  
Turkey Berry, Passion Fruit,  
Coffee, Tea, Pepper

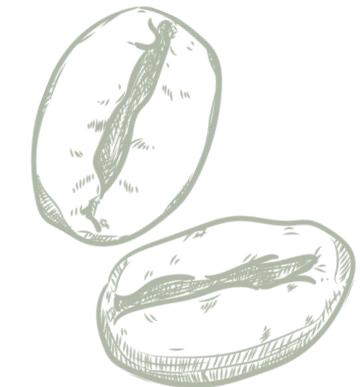
Watermelon, Melon,  
Strawberry, Chilies,  
Spinach, Peanuts, Potato,  
Carrots, Turmeric,  
Cauliflower, Onion,  
Cabbage, Brinjal, Bitter  
Guard, Beatle Leaf, Long  
Guard, Bottle Guard,  
Zucchini

Cardamom, Sugarcane,  
Rice, Urad Daal, Pearl  
Millet, Finger Millet, French  
Beans, Mung Beans, Flat  
Beans (Avarakkai)  
Marigold, Tuberose,  
Sampangi, Rose, Jasmine,  
Cotton and more...

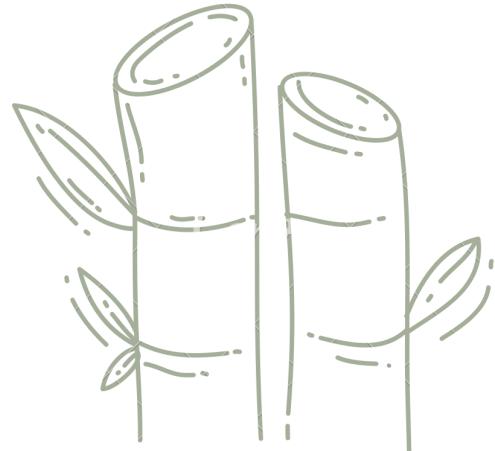
**RICE FARM**  
**Visible result in**  
**24 HOURS**



Cardamom



Coffee



Sugarcane\*



Tea

## AARKA DILUTION WITH WATER & APPLICATION INSTRUCTIONS FOR CARDAMOM, COFFEE, TEA & SUGARCANE

### **Dilution for spraying - 1:60**

**Instruction:** Perform the first 3 sprays in 10 days intervals, then spray once in 20 days. \*Sugarcane requires 2- 3 sprays in 15 days intervals beginning of the crop season.

### **Dilution for soil denching - 1:60**

**Instruction:** Drench the soil once a month. 2-3 liters of AARKA per acre diluted with water.



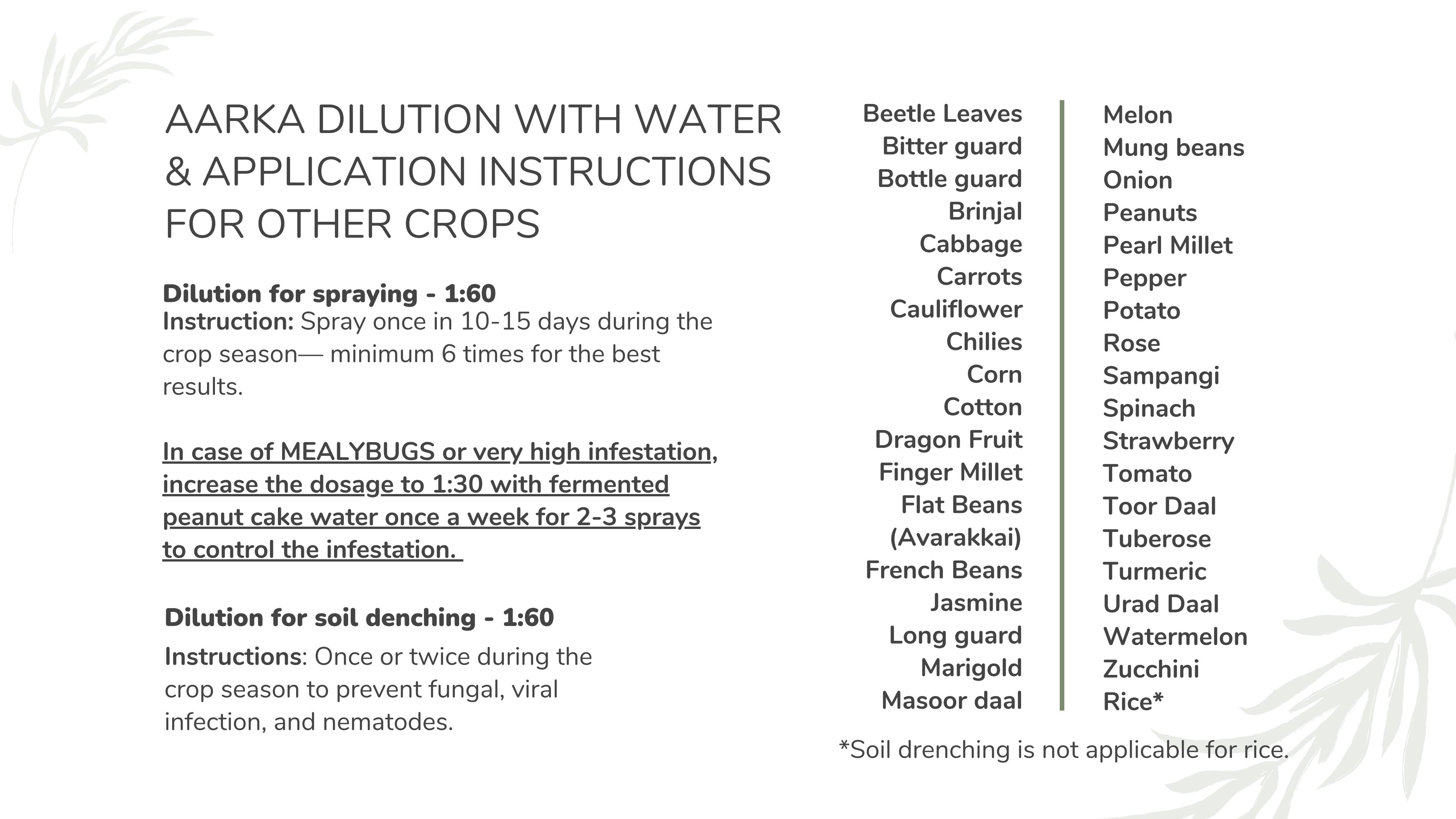
# AARKA DILUTION WITH WATER & APPLICATION INSTRUCTIONS FOR FRUITING TREES

## **Dilution for spraying - 1:60**

**Instruction:** Spray the flowers, leaves, and stems thoroughly. It will protect the plant from leaf miners, leaf eaters, and stem borers. Spray every 10-15 days at the time of flowering, otherwise once a month would prevent larger infestation.

## **Dilution for soil denching - 1:60**

**Instruction:** Pour 5 liters of the mixture to each plant closer to the root to prevent any fungal or viral infection. It also boosts cell division and improves the immunity of the plant. Best to do it in the rainy season - before and during the flowering (at least twice a year!) The alkaloids stay active in wet soil, therefore protecting plants and preventing any kind of fungal diseases whole winter.



# AARKA DILUTION WITH WATER & APPLICATION INSTRUCTIONS FOR OTHER CROPS

## **Dilution for spraying - 1:60**

**Instruction:** Spray once in 10-15 days during the crop season— minimum 6 times for the best results.

**In case of MEALYBUGS or very high infestation, increase the dosage to 1:30 with fermented peanut cake water once a week for 2-3 sprays to control the infestation.**

## **Dilution for soil denching - 1:60**

**Instructions:** Once or twice during the crop season to prevent fungal, viral infection, and nematodes.

Beetle Leaves  
Bitter guard  
Bottle guard  
Brinjal  
Cabbage  
Carrots  
Cauliflower  
Chilies  
Corn  
Cotton  
Dragon Fruit  
Finger Millet  
Flat Beans  
(Avarakkai)  
French Beans  
Jasmine  
Long guard  
Marigold  
Masoor daal

Melon  
Mung beans  
Onion  
Peanuts  
Pearl Millet  
Pepper  
Potato  
Rose  
Sampangi  
Spinach  
Strawberry  
Tomato  
Toor Daal  
Tuberose  
Turmeric  
Urad Daal  
Watermelon  
Zucchini  
Rice\*

\*Soil drenching is not applicable for rice.

# RECIPES FOR OTHER BENEFICIAL INPUTS

Oil mixtures	Neem oil	500 ml	150	50ltr	1 ltr	13.2 INR
	Mahua oil	500 ml	70			
	Castor oil	500 ml	70			
	Pongamia oil	500 ml	70			
	Water	48 ltr	0			
	Soap nut	2 kg	300			
	<b>TOTAL</b>		<b>660</b>			
Fish aminoacid Preperation time: 40 dasy	Fish waste	20 kg	500	50 ltr	500 ml	21 INR
	Jaggery	20 kg	800			
	Ripe Banana (waste)	20 kg	800			
	<b>TOTAL</b>		<b>2100</b>			
Copper curd mixture Preperation time: 15 dasy	Curd	5 ltr	200	50 ltr	1 ltr	15 INR
	Copper waste	1 kg	500			
	Water	45 ltr	0			
	Jaggery	1 kg	50			
	<b>TOTAL</b>		<b>750</b>			

Total cost per 200 ltr barrel: 50 INR

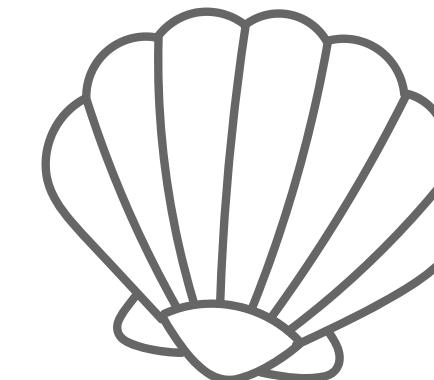
<b>Curd and Coconut milk mixture</b> <i>Preperation time: 10 days</i>	Curd	5L	200	50 LTR	1 to 3 L	6.2 to 18.6 INR
	Coconut milk	5L	60			
	Water	40 L	0			
	Jaggery	1 KG	50			
	<b>TOTAL</b>		<b>310</b>			
<b>Panchakaviya</b> <i>Preperation time: 30 days</i>	Desi cow dunk	12.5 KG	0	50 Ltr	1 L	54.5 INR
	Desi cow urine	7.5 L	0			
	Cow's milk	7.5 L	350			
	Cow's ghee	2.5 KG	1200			
	Jaggery	1.25 KG	75			
	Curd	15 L	900			
	Ripe banana	30 no	200			
	<b>TOTAL</b>		<b>2725</b>			
<b>Jeevaamirtham</b> <i>Preperation time: 48h</i>	Desi cow dunk	10 KG	0	50 L	1L	4 INR
	Desi cow urine	10 L	0			
	Green gram dhaal powder	1 KG	150			
	Forest soil	1 KG	0			
	Jaggery	1 KG	50			
	Water	25 L	0			
	<b>TOTAL</b>		<b>200</b>			

Total cost per 200 ltr barrel: 197.5 INR

# MAKE YOUR ALKALI SOLUTION

BALANCE ACIDITY CREATED BY THE MICROBES, AND  
INCREASE POTASH CONTENT IN THE SOIL!

	Ingredients	Qty	Cost inr	Total batch qty	Barrel 200 ltrs	
					Dose	Cost
Bio-potash Preperation time: 10 days	Ash	15 KG	75	50 L	1 L to 3 L	1.5 to 4.5 INR
	Rainwater	50 L	0			
Seashell lime	Seashell lime powder	10 KG	200		50g	1 INR



# REMEMBER TO FEED YOUR ESSENTIAL MICROBES!



	Ingredients	Qty	Cost inr	Total batch qty	Barrel 200 ltrs	
					Dose	Cost
Cake mixture Preperation time: 3 days	Peanut cake	2 KG	100	100 LTR	3 to 5 L	21 to 35 INR
	Sesame cake	2 KG	100			
	Coconut cake	2 KG	100			
	Mahua cake	2 KG	100			
	Pongamia cake	2 KG	100			
	Neem cake	2 KG	100			
	Castor cake	2 KG	100			
	Water	100 L	0			
	AARKA Concentrate	100 ML	6			
<b>TOTAL</b>			<b>706</b>			
Rice Water Preperation time: 48h	Rice	1 kg	30	50 LTR	3 to 5 L	1.8 to 3 INR
	Water	50 L	0			
	<b>TOTAL</b>		<b>30</b>			

# NB! AARKA ALSO REPELLS MOSQUITOES

## Easy steps of application



1. Remove all the mosquito breeding areas on your premises
2. Outdoor. Dilute AARKA in a **1:60** ratio with water. Spray the mixture thoroughly on absolutely **ALL SURFACES** like walls, cement areas, plants, and grass, even behind the compound if possible. The bigger the area, the better. Think of it like applying Odomos outdoors.
3. Indoor (optional). Add one cap (5-10ml) of AARKA along with the cleaning agent to the bucket of water. Use this water for cleaning surfaces or mopping.
4. Perform the treatment **ONCE A WEEK** at a convenient time. When needed, repeat the treatment more often or increase the concentration of AARKA in the spray.



## SCIENTIFIC RESEARCH PAPERS ON CALOTROPI



**Calotropis gigantea – Arka Uses, Dose, Side Effects, Ayurveda Details**

[rb.gy/zvxj2](https://rb.gy/zvxj2)



**Calotropis fibres for Textile Applications**

<https://rb.gy/tjx1x>



**Antibacterial & medicinal properties of calotropis:**

<https://globalresearchonline.net/journalcontents/volume4issue2/Article%20024.pdf>

<https://rb.gy/4wkm8>

<https://www.ijrar.org/papers/IJRAR1AFP027.pdf>

<https://www.researchgate.net/publication/236006006>



**Calotropis dried leafs used as fodder:**

<https://rb.gy/i8cg3>

<https://www.feedipedia.org/node/588>



**Calotropis mosquito larvicidal, ovicidal, and repellent activity**

<http://bdpsjournal.org/index.php/bjp/article/view/468>



### **Nematodes**

[https://www.fortunejournals.com/ijpaes/admin/php/uploads/411\\_pdf.pdf](https://www.fortunejournals.com/ijpaes/admin/php/uploads/411_pdf.pdf)



### **Fusarium**

<https://rb.gy/d41ra>

<https://rebrand.ly/d7ed45>



### **Papaya Melaybug**

[http://www.ijirst.org/articles/IJIRST\\_V4I1069.pdf](http://www.ijirst.org/articles/IJIRST_V4I1069.pdf)



### **Plutella Xyllostella**

<https://rebrand.ly/b26c43>



### **Cotton Leafworm**

<https://rebrand.ly/ugo1xd6>

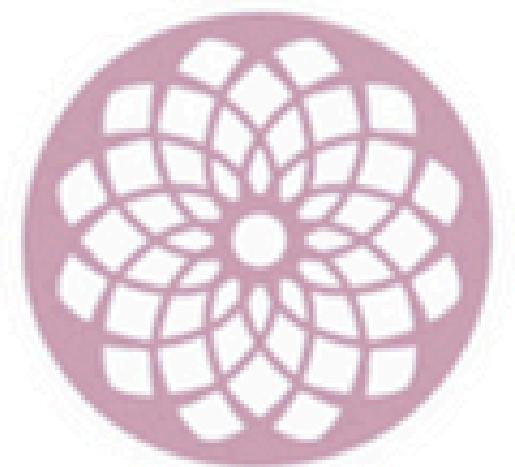


### **Cotton Bollworm**

<https://rebrand.ly/e49d2c>

<https://rebrand.ly/87wpx89>

<https://rebrand.ly/574d81>



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