EF POLYMER PRIVATE LIMITED

ENHANCING AGRICULTURE **YIELD** AND **QUALITY** IN LOW WATER ENVIRONMENTS

ABOUT US

We are helping farmers by providing them sustainable agriculture inputs to increase their agriculture yield.

40% LESS WATER

Reduce the cost of water by reducing the water or irrigate more crops/plants with saved water

20% LESS FERTILIZER

Lower cost of fertilizer and make soil organic

15% MORE YIELD

Reduce the cost of water and fertilizer, and increase yield to achieve 10% + more income

TESTIMONIALS

"

We were trying to grow plants in the hilly area but due to sharp inclination and insufficient water around 30% plant were surviving. By using FASAL AMRIT we were able to save more than 70% plant. - **Department of Forestry, Udaipur**

GET IN TOUCH: ● **9-460 253 708** ● **Udaipur, India | Okinawa, Japan** ● **www.efpolymer.com**

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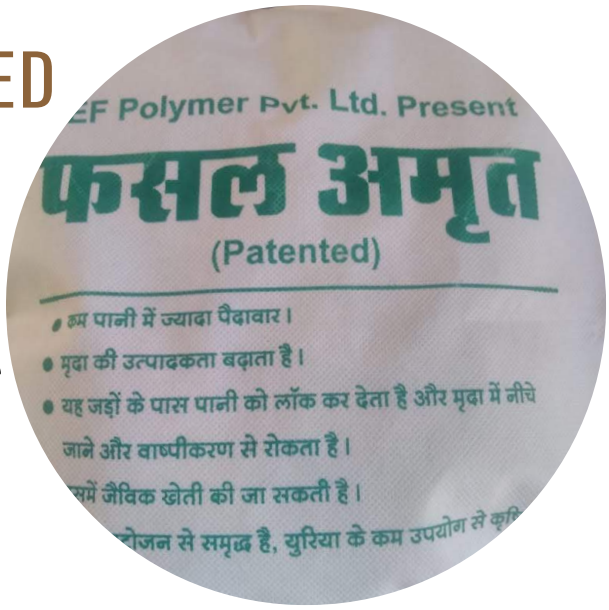


FASAL AMRIT

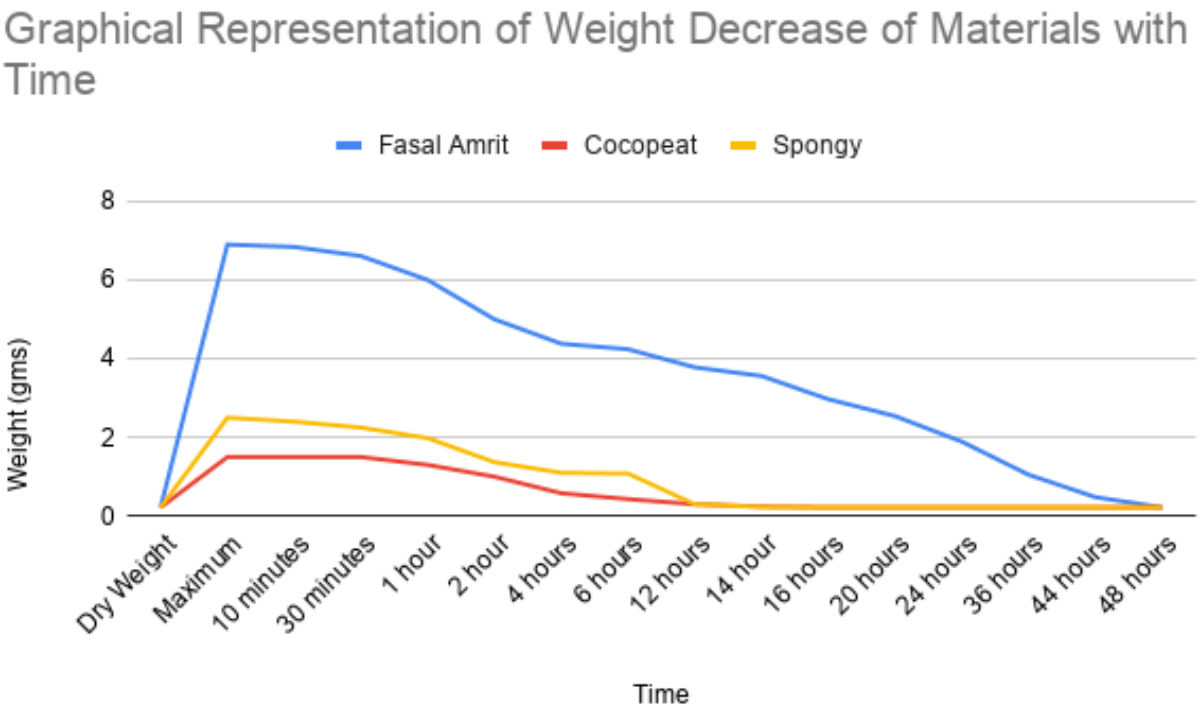
Fasal Amrit is an organic hydrogel made by using orange peel. It is useful to reduce the irrigation water, fertilizer requirement, to increase agriculture yield.

FEATURES

- Maintain moisture in the soil for as long as 10-15 days
- Prevent evaporation and leaching of water and nutrient
- 30-40% less irrigation water requirement
- Provide a healthy environment to soil and crop/plant
- Rejunevate polluted soil for organic agriculture
- 100% biodegradable in the soil after 6 month
- Works as organic fertilizer after degradation
- 100% organic and chemical-free

BENEFITS

1. Save more than **40%** of total water
2. Reduce more than **20%** fertilizer requirement
3. Increase overall profit by more than **20%**
4. Reduce the cost of water and fertilizer by **30%**



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HOE TO USE?

Fasal Amrit is easy to use just like fertilizer. The below step by step process of usage is as follows:

01

Mix Fasal Amrit with fertilizer and soil evenly and then apply the mixture to the ground by using seed drink or fertilizer applicator.

02

For the confined area (less than 20 square meters). It is recommended to apply manually (keep below as much possible).

03

Completely turn over the ground by using a tilling machine (require Fasal Amrit mixed with soil properly).

04

For the hills and slide slope, it requires work done by hand.

05

Trampling the ground.

06

Seeding, grass-planting, or spray-seeding.

07

it also applies to flower-planting, shrub-planting.

08

Watering the ground.

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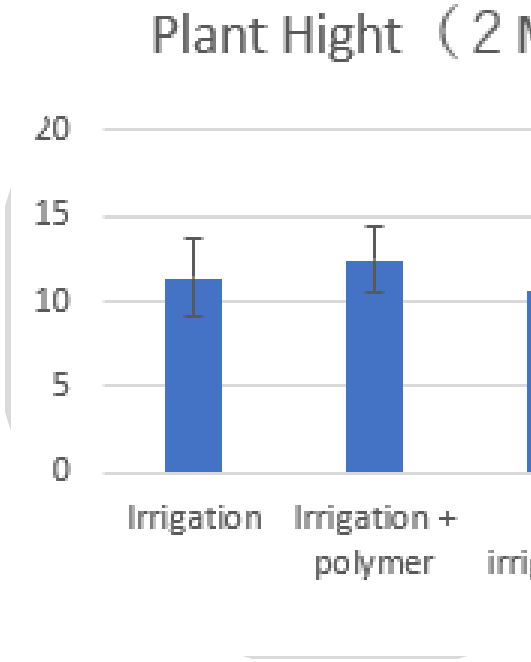


FIELD TESTING - INDIGO

Fasal Amrit has been tested with Indigo Plant in Okinawa Japan.

Location: Higashi Village

Experiment Timeline: January 2020 - February 2020

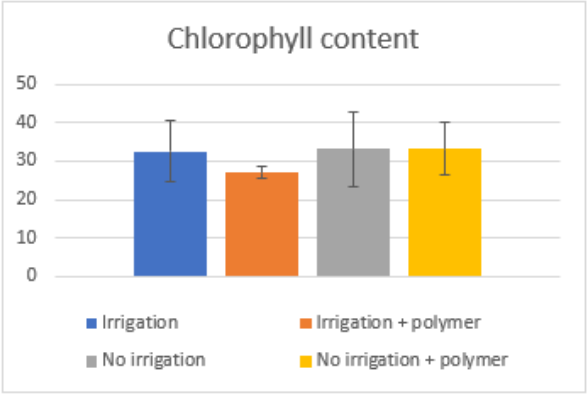
Project Incharge:

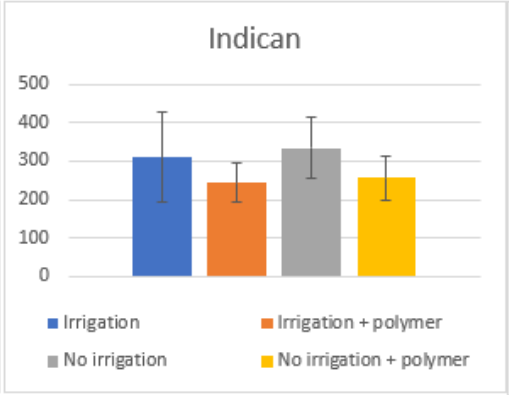
1. Prof. Ryuichi Suwa, Faculty of Agriculture, University of the Ryukyus
2. Yoshinari Kazuma, Director at LIQUIO Private Limited
3. Yuki Tonooka, Ph. D. / Deputy Director, University of the Ryukyus

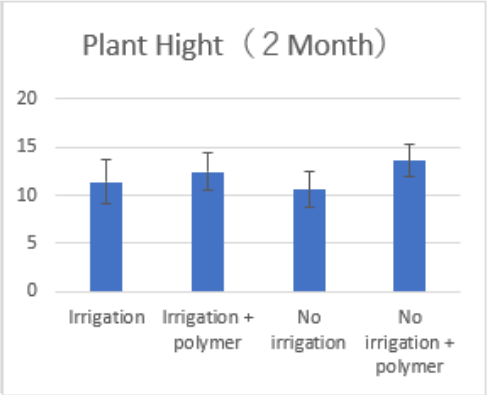
Project Carried Out By

1. Narayan Lal Gurjar, Founder & CEO, EF Polymer Private Limited
2. Puran Singh Rajput, Co-Founder & COO, EF Polymer Private Limited

2 Months Report of Indigo Plant Testing with Liquio Pvt. Ltd. and Ryukyu Agriculture University				
-	Chlorophyll content （µg/cm2)	Indican (µg / cm2)	1st Month Plant Hight (cm)	2nd Month Plant Hight (cm)
Irrigation	32.42553245	310.4773596	10	11.4
	7.948643888	115.9257528	1.58113883	2.302172887
Irrigation + polymer	26.940359	243.7278167	10.6	12.4
	1.57701709	49.44387366	1.816590212	1.949358869
No irrigation	33.06983208	334.9657314	9.4	10.6
	9.747520632	78.91145165	1.140175425	1.816590212
No irrigation + polymer	33.14526715	256.7397379	13	13.6
	6.772181512	57.16301409	1.870828693	1.673320053







TESTIMONIALS

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The product EF Polymer team bring to Okinawa was extremely helpful for the plant's growth in the low water environment, this is what we found from the testing of Fasal Amrit with Indigo Plant in Higashi Village. -
Ryuichi Suwa, Faculty of Agriculture, University of the Ryukyus

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FIELD TESTING - SPINACH

Fasal Amrit has been tested with Spinach in Okinawa Japan.

Location	Innovation Square Incubator, Okinawa Institute of Science and Technology, Graduate University 1919-1 Tancha, Onna-son, Okinawa 904-0495 Japan
Plant/Crop	Japanese Spinach
Experiment Duration	October 2019 - November2019
Soil	Deep Red Soil ([Kunigami-Maji) from Shishuka Island, Okinawa
Technical Support	Prof. Md. Amzad Hossain, Faculty of Agriculture Department University of Ryukyus
Data Collection & Monitoring	Narayan Lal Gurjar Puran Singh Rajput

	Pot #1	Pot #2	Pot #3	Pot #4
Deep Red 0 (Normal soil)	5 Plant	5 Plant	5 Plant	5 Plant
Deep Red 10 (10gm EFP/Pot)	5 Plant	5 Plant	5 Plant	5 Plant
Deep Red 20 (20gm EFP/Pot)	5 Plant	5 Plant	5 Plant	5 Plant
Deep Red 30 (30gm EFP/Pot)	5 Plant	5 Plant	5 Plant	5 Plant
Deep Red 40 (40gm EFP/Pot)	5 Plant	5 Plant	5 Plant	5 Plant

	Watering	Fertilizer	Pesticides
Deep Red 0 (Normal soil)	Regular (Once in a day)	No fertilizer	2 times
Deep Red 10 (10gm EFP)	2 Days interval	No fertilizer	2 times
Deep Red 20 (20gm EFP)	2 Days interval	No fertilizer	2 times
Deep Red 30 (30gm EFP)	3 Days interval	No fertilizer	2 times
Deep Red 40 (40gm EFP)	3 Days interval	No fertilizer	2 times