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Name of Client: Kavungal Agency, Kavungal arcade, Mannuthy.

Location of Demo: Kalpetta, Wayanad.

Crop: Paddy

Farmer name: Mr. Rajesh MR , Kavummannam,

Area of trial plot: 1 acre

Crop details: standing crop , 15<sup>th</sup> day after planting.

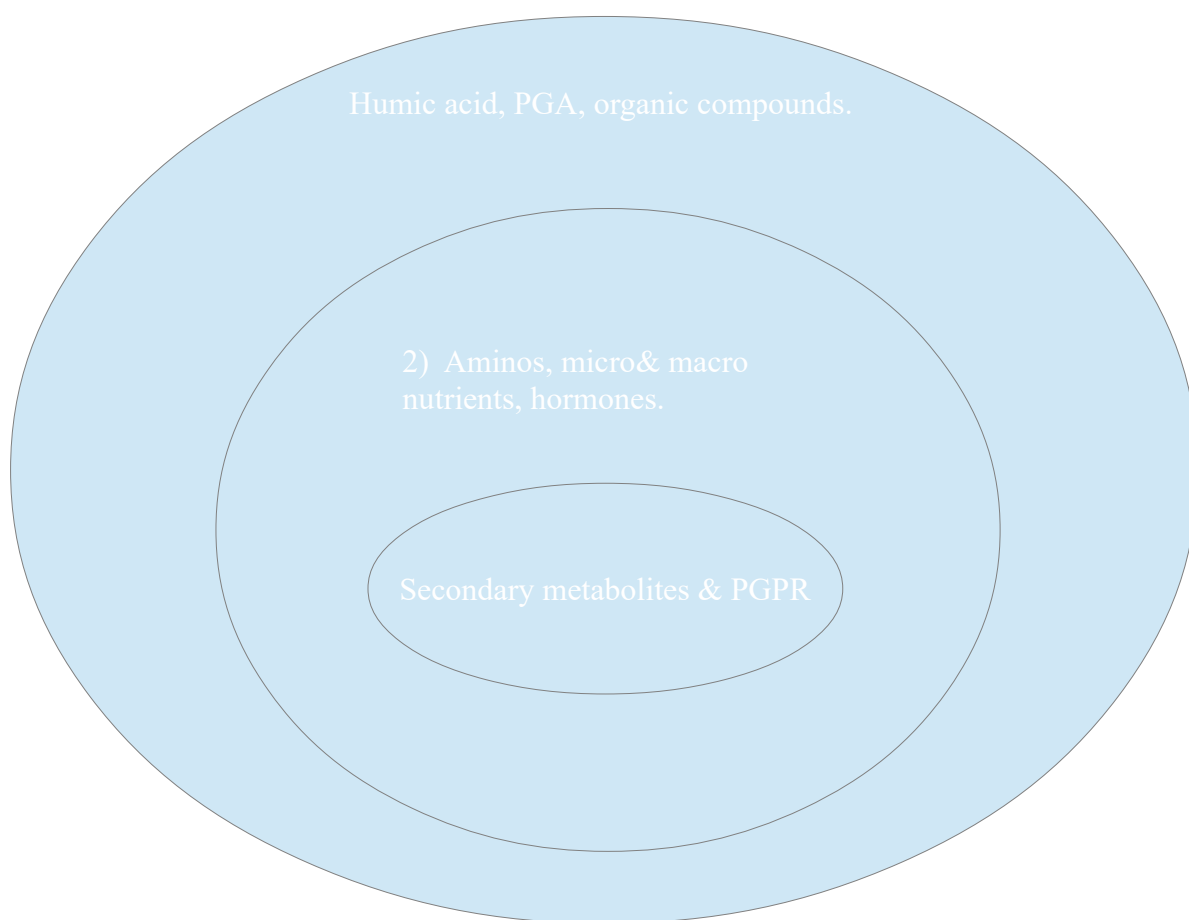
Soil properties: rich in organic matter with high acidity.

Objective of demo: Evaluating performance of Jaivasakthi granules in acidic paddy fields of Kerala.

Jaivasakthi is a speciality PGR developed for paddy .

**(1)Product Details:**

Content.	Action
1) Humic acids, PGA, organic compounds.	Regulation of soil pH.
2) Aminos, micro & macro nutrients, hormons.	Growth enhancement.
3) Secondary metabolites	Health & resistance development.



*iDrawing 1: Design of a Jaivasakthi Granule.*

Mode of action: Each compounds are slowly released one after other , maintaining a healthy balanced crop growth .

**2) Application:**

Date of Application	Dosage	details
14/09/17 (15 <sup>th</sup> day of planting)	5 kg/acre	Jaivasakthi granules are mixed and broadcasted with chemical fertilisers

Table 1



Image 1 : Field during the application of Jaivasakthi granules.



Image 2: Field during the application of Jivasakthi Granule.



Image 3: Field on 12<sup>th</sup> day after application of Jaivasakthi granule.



Image 4: Field on 24<sup>th</sup> day after application of jaivasakthi.

### **(3) Observations :**

- a) Soil ph is regulated to an optimum level resulting in a regular pattern of growth.
- b) More tillers are seen which will result in a superior harvest.
- c) Leves are more greenish and wider which are indications of a healthy growth.

Conclusion: Maintaining favourable soil conditions, including soil pH, nutrient levels, microflora etc. is crucial for a rich harvest in paddy cultivation. Jaivasakthi which was developed, evaluating field conditions and expert opinion is a promising product for farming community. Agricultural Technology Management Agency officially recognised and included this product in their recommendations.

Details of Agri experts and farmers involved in demo.

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