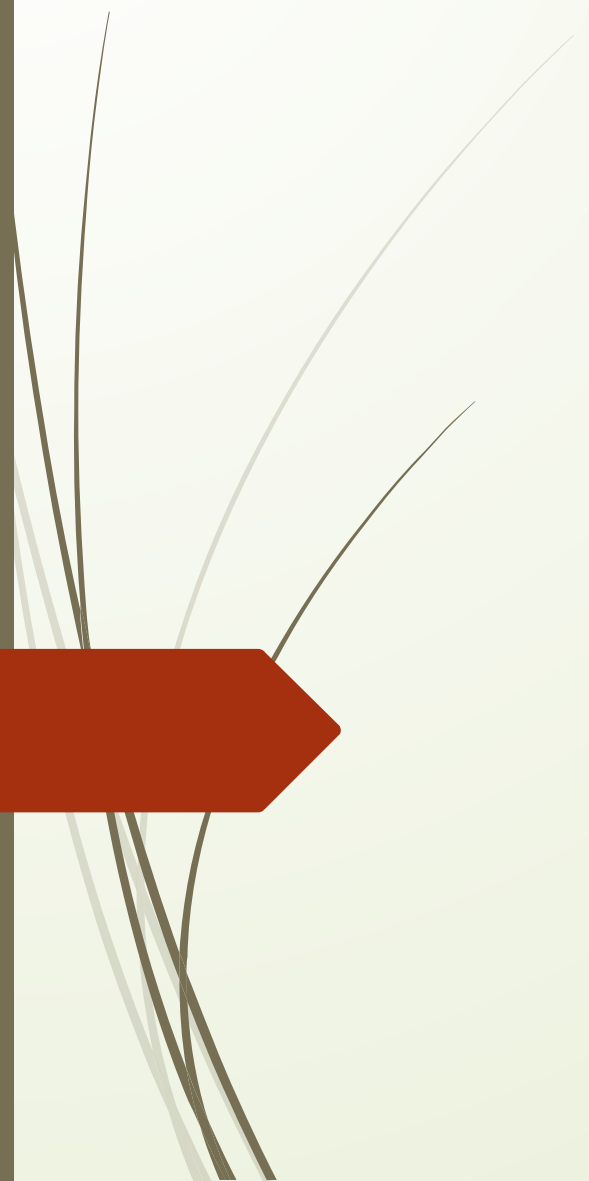
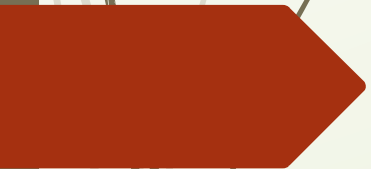




PT. SARANA
DAUN HIJAU

Satria Rasa Agri
Feasibility Study





Project Overview

PT. Satria Rasa Agri, *Trenggalek*

PIC: David Christian

Crop Type: Sorghum

Farm Plot Area: 1 Hectare

Description:

Starting with trials on 1 Hectare farms for soiling to harvest stage to see the performance of Goldtech G06 fertiliser, the trial will also be optional to progress on for 2nd harvest cycle to evaluate application performance on harvested plant remains.

*Potential trial plot area highlighted by yellow box.

Address:

Rt 21, Gugur, Pule, Kec. Pule, Kabupaten Trenggalek, Jawa Timur 66362





Project Overview

PT. Satria Rasa Agri, *Ponogoro*

PIC: David Christian

Crop Type: Sorghum

Farm Plot Area: 1 Hectare

Description:

Starting with trials on 1 Hectare farms for soiling to harvest stage to see the performance of Goldtech G06 fertiliser, the trial will also be optional to progress on for 2nd harvest cycle to evaluate application performance on harvested plant remains.

*Potential trial plot area highlighted by yellow box.

Address:

Jl. Raya Pulung, Segropyak, Pulung Merdiko, Kec. Pulung, Kabupaten Ponorogo, Jawa Timur 63481





Project Matrix

Milestones

Dec' 2022

Trial Preparation

Establish Site Parameters
Soil Testing
Irrigation Preparation

Dec' 2022

Feasibility Study

Data Collection
Data Review
Project Integration Planning

Jan' 2023

Trial Initiation

Soiling Stage (3 Days)
Emergence Stage (7 Days)
Leafing Stage (20 Days)

Jan' 2023

Training Workshop

Data Charting Plan
G06 Product Knowledge Briefing
G06 Performance Review
Specialist Training Workshop

Feb' 2023

Trial Phase 1

Maturing Stage (10 Days)
Boot Stage (10 Days)
Bloom Stage (10 Days)

Feb' 2023

Trial Sequence Milestones

Pests & Disease Control
Soil Improvement Review
G06 application adjustment
Sorghum Comparison Review

Mar' 2023

Trial Phase 2

Soft Dough Stage (10 Days)
Hard Dough Stage (10 Days)
Full Bloom Harvest Stage (Day 90)

Mar' 2023

Trial Adaptability

Drought Stress Control
Pests & Disease Control
Water Lodging Control
Leaf & Grain Loss Control



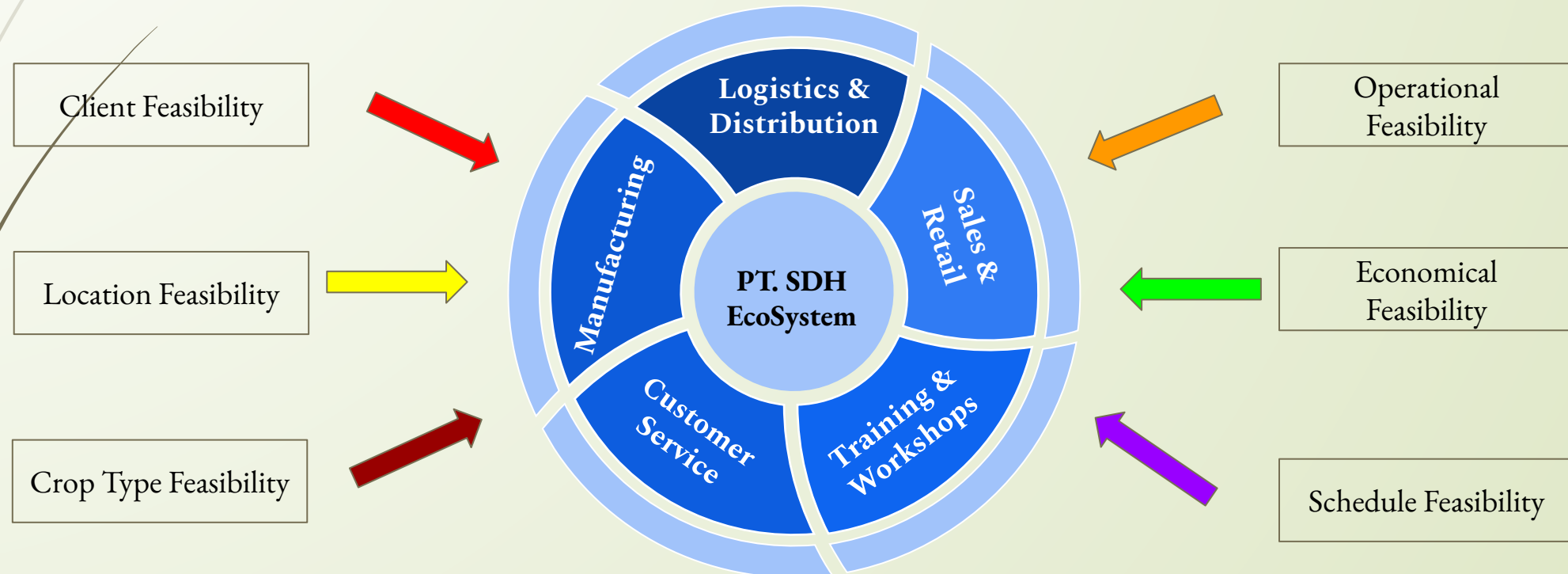


Feasibility Study

Project Data Sequence

Feasibility Study & Data Collection

A feasibility study is necessary to initiate the trial tests and conduct a data collection procedure for a harvest cycle. This is to measure the required inputs and outputs to ensure the G06 solution mixture is performing effectively on the crops while in their various stages.





Trial Project Details

Client Feasibility Data

Trial test requirements for client suitability:

- ❖ Selected a farming plot area required to conduct a trial test to measure G06 performance on crops. (1 Hectare)
- ❖ Suitable manpower to host the trial test on the selected farm for a period of 1 harvest cycle.
- ❖ Provide the necessary infrastructure resources to conduct the trial test. (seeds, nursery, water etc.)
- ❖ To supervise the data collection and data sequence updates on trial parameters on weekly basis.
- ❖ Agreeable to share their harvest yield data logs for measuring the performance outcome from trials.



Trial Project Data

Crop type Feasibility Data

Trial Test Crop Type Details:

- ❖ Target goal of planting approx. 5000 plants and measuring harvest yield.
- ❖ Able to thrive for 3 harvest cycles not including the rainy season.
- ❖ Soil PH level ranges from PH5.5 to PH7 and porosity cannot be too much sand.
- ❖ Suitable to dry climate but sensitive bad side effects to water lodging, birds and fungicidal weeds.
- ❖ Stages of growth start from emergence, leafing, maturing, booting, blooming, soft and hard dough stages before full bloom stage ready for harvest after 90 days.

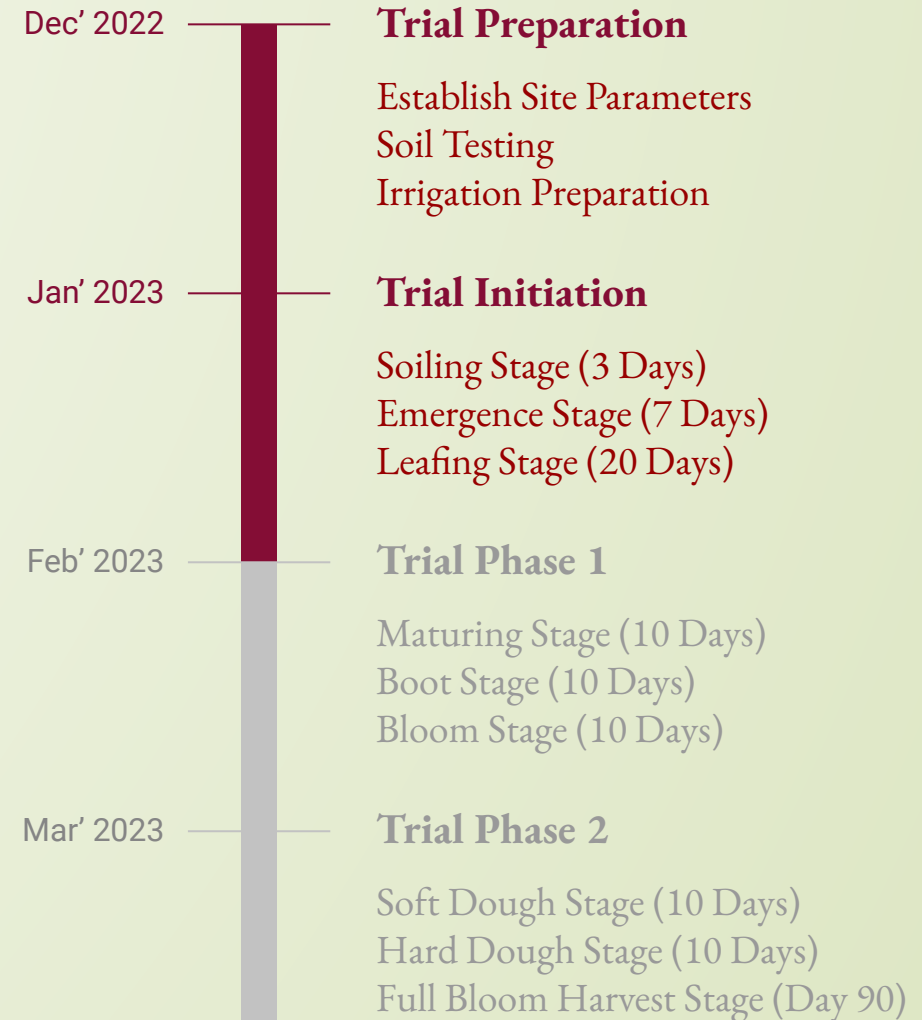
Trial Project Data

Operational Feasibility Study



Operational requirements for farm

- ❖ Establish site parameters to monitor growth of crop cycle.
- ❖ Prepare soil texture of hybrid and control area to be similar.
- ❖ Prepare the trial plot area with proper irrigation suitable for Sorghum.
- ❖ Organise facility area to prepare for G06 water mixture process.
- ❖ Allocated facility for seedling germination in controlled nursery.
- ❖ Sufficient skilled manpower to host trial test for 1 harvest cycle.



Trial Project Data

Operational Feasibility Study



Soil porosity testing report

Plot Area 1 Details:

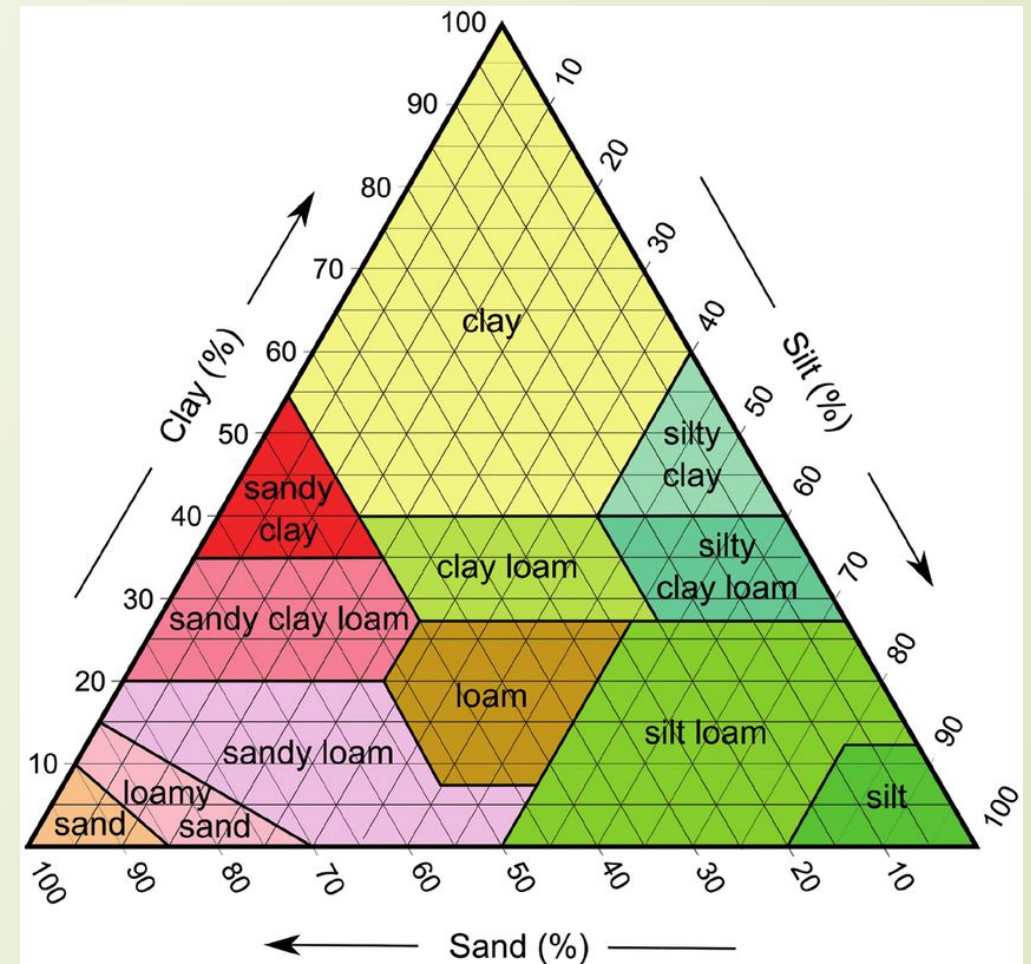
- 1) Percentage for Control - Clay, Slit, Sand
- 2) Soil Texture Reading - Topsoil
- 3) Soil Texture Reading - Subsoil
- 4) Soil Texture Reading - Sample 2
- 5) Insert Pictures

Conclusion: Suitable / Not Suitable

Plot Area 2 Details:

- 1) Percentage for Hybrid - Clay, Slit, Sand
- 2) Soil Texture Reading - Topsoil
- 3) Soil Texture Reading - Subsoil
- 4) Soil Texture Reading - Sample 2
- 5) Insert Pictures

Conclusion: Suitable / Not Suitable



Trial Project Data

Operational Feasibility Study



Soil pH level testing report

Plot Area 1 Details:

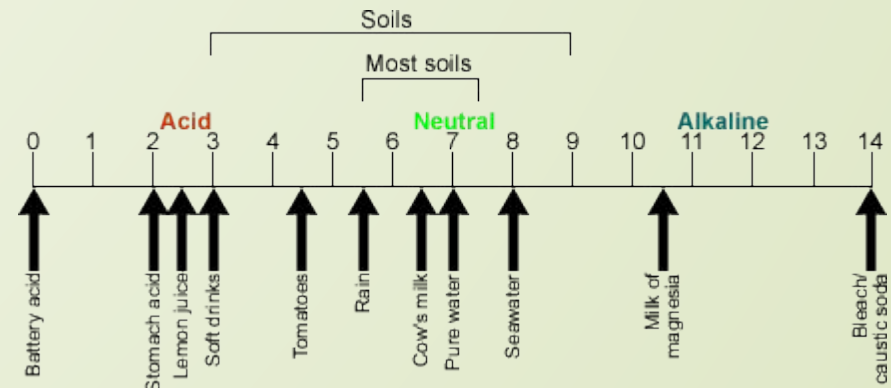
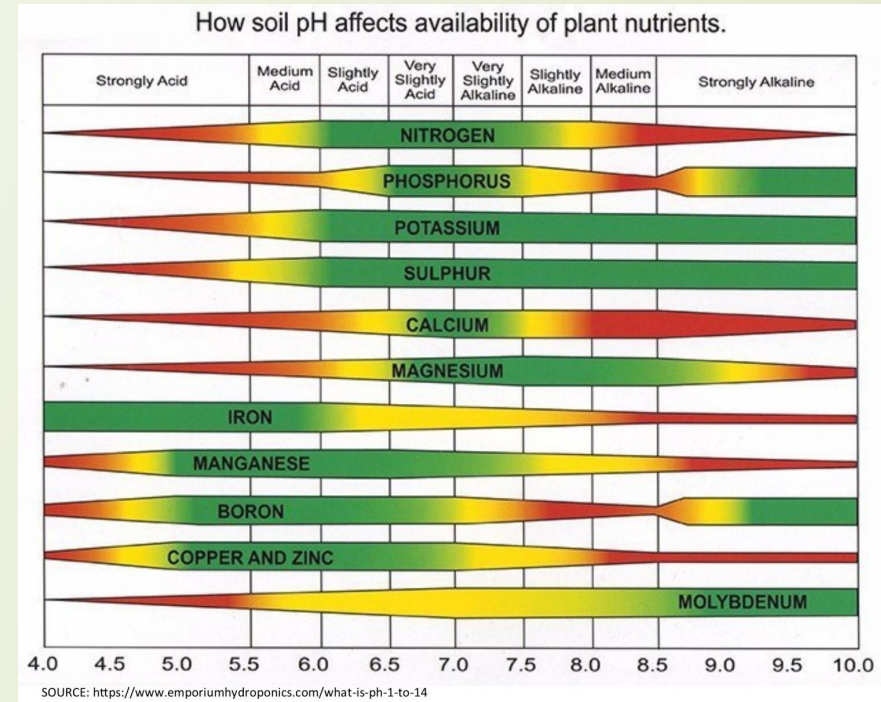
- 1) pH level for Control - 5.5 to 7 pH
- 2) Soil pH level Reading - Topsoil
- 3) Soil pH level Reading - Subsoil
- 4) Soil pH level Reading - Sample 2
- 5) Insert Pictures

Conclusion: Suitable / Not Suitable

Plot Area 2 Details:

- 1) pH level reading for Hybrid - 5.5 to 7 pH
- 2) Soil pH level Reading - Topsoil
- 3) Soil pH level Reading - Subsoil
- 4) Soil pH level Reading - Sample 2
- 5) Insert Pictures

Conclusion: Suitable / Not Suitable





Trial Project Data

Operational Feasibility Data

Operational requirements for trial data sequence

- ❖ Communication channel with farm to perform trial data sequence.
- ❖ Finalised project plan for briefing on integration process.
- ❖ Data Charts for all relevant measurements and tests.
- ❖ Facility to conduct training workshops. (Remote support alternative)
- ❖ Supervisor to fulfil weekly updates via photo capture and report summary.
- ❖ Pest & disease control and risk assessment framework.





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**Any Questions?
Let's Discuss!**