Vision to empower every person across rural India to lead a more secure, prosperous, and dignified life

Mission to strengthen community-led development towards positive social, economic, and environmental change

Focus Area

Food Security  Water Security  Social Justice

Agricultural Development  Water Management  Good Rural Governance
Outreach

890 villages, 27 districts, 8 states of Andhra Pradesh, Bihar, Uttar Pradesh, Haryana, Karnataka, Maharashtra, Rajasthan, and Telangana.
Sehgal Foundation
Integrated Agricultural Development Model

- Soil health management
- Water conservation in agriculture
- Allied activities
- Mechanization
- Capacity development
- Strengthen linkages

Improving agricultural livelihood
Soil Health Management

Nitrogen | Nitrogen (MA) | Phosphorus | Potash | Saline soil
---|---|---|---|---
Sulphur | Iron | Zinc | Manganese | Alkaline soil
Water management in agriculture

Drip Irrigation

Mini Sprinkler

Solar Irrigation pump

Mulching

Laser Levelling

Sub surface Irrigation
Saline Farming

Salt tolerant Crops

Mustard

Beetroots

Tomato

Broccoli
Agriculture Mechanization

Reaper

Zero tillage

Potato Planters
Allied Agriculture activity

**Composting**
- Improve soil moisture
- Improve soil quality
- Increase productivity
- Reduce cost

**Horticulture**
- Reduce risk
- Sustained income
- Better land use

**Livestock for landless women**
- Increase employability
- Source of Income
- Ag-entrepreneurship
Allied Agriculture activity

Animal preventive health care
Capacity Building: Training and Field days

- Village Level training
- VDC meeting
- Field Days
Krishi Jyoti
(Enlightened Agriculture)

Journey from 2 villages to 75 villages
(2008 to 2018) - Video

A joint initiative

The Mosaic Company Foundation &
S M Sehgal Foundation
**Krishi Jyoti Journey**

- **2008**
  - 2 villages
  - 1 state
  - 253 Farmers

- **2019**
  - 75 villages
  - 2 states
  - 60701 Farmers
  - 26 schools
  - 11 check-dams
Krishi Jyoti Model

- Soil nutrient management
- Water Conservation
- Knowledge and awareness
- Improve yield and quality

Agriculture

Water

- Water augmentation
- Knowledge building
- Water literacy

Education

- Improving infrastructure
- Empowering SMCs
- Water literacy

K J
Create Water Security
Enhance Food Security

Sprinkler irrigation
Drip irrigation
Check dam

Rise in water table: Average 7.2 Feet (2.2 m) at Khohar in 2014

Farm bunding
Laser levelling
Mulching
Crop Demonstrations

Cotton

Pearl millet

Wheat

Vegetables

Mustard

Field Days
Water Augmentation : Check Dam

Before rain

After rain
Krishi Jyoti

School Renovation

Before

After

Before

After
Raisikhbass School
Community Capacity Building

In-house training

Agri-input distribution

Community meeting

Farmers get together in ‘Kisaan sammelan’

Orchard plantation
### Krishi Jyoti Average Yield Data Analysis Year: 2017-18

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Crop</th>
<th>Yield in farmers practice (qtl/acre)</th>
<th>Yield in Krishi Jyoti practice (qtl/acre)</th>
<th>Yield difference in (qtl)</th>
<th>% Yield increase</th>
<th>Income increase INR/acre</th>
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<tr>
<td>1</td>
<td>Pearl Millet</td>
<td>6.76</td>
<td>8.13</td>
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<td>2</td>
<td>Wheat</td>
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<td>16.58</td>
<td>2.77</td>
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<td>3</td>
<td>Mustard</td>
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<td>10.42</td>
<td>1.67</td>
<td>19.86</td>
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<td>4</td>
<td>Cotton</td>
<td>3.76</td>
<td>5.03</td>
<td>1.27</td>
<td>25.32</td>
<td>6,604</td>
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<td>5</td>
<td>Onion</td>
<td>56.21</td>
<td>70.61</td>
<td>14.4</td>
<td>26.78</td>
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</table>
Impact

Agriculture

- 41418: farm families benefited through Agriculture
- Water productivity: improved from 900 to 525 liter/kg of wheat grain

Water

- 11 Check-dam (Annual water harvesting capacity: 38.63 Million gallons)
- 77.24 million gallon litre: Annual Water harvesting potential
- 26618 people benefited from check dams.

Education

- 26 Schools Renovated
- 5470 Children Benefitted - Reduced drop out of girl child
Way Forward: Much more to do....

- Bridge demand and supply gap for food grain
- Feed ever increasing populations
- Increase productivity of staple food crops
- Increase small holder resilience to climate change
- Develop stress tolerant varieties
- Improve water productivity in agriculture
- Meet changing food habits: Nutritional Food
- Making agriculture attractive business for young
Thank you!

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