



Sustainable Sugarcane Initiative (SSI)...

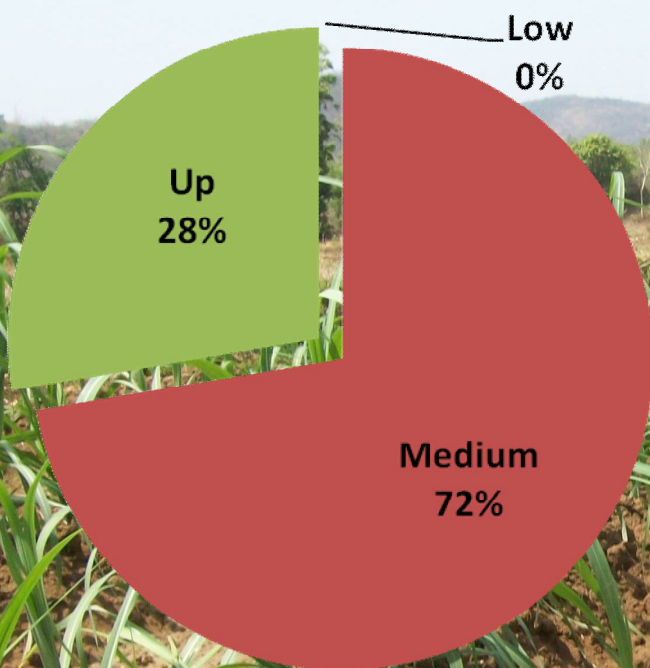
...an experience so far
at **NIRMAN**

2011-12: SSI in Orissa with **AgSRI** support...

Horizontal expansion of SSI				
	2009	2010	2011 ahead...	2011 (Pit Method)
District	1	3	3	1
Block	1	5	7	2
Panchayat	2	6	22	7
Village	7	17	30	15
Farmers	20	56	159	25
Acre(s)	4	29.73	108.5	20

Type of Farmers covered in Intervention					
Farmer Category	Medium farmers	Small farmers	Marginal Farmers	Landless Farmers	Share croppers
% of Farmers in 2010	3.57	7.14	66	25	58
% of Farmers in 2011	10	9.0	52	29	55

Type of Land, Cane Variety & Relative Productivity



Cane Variety	No. of Farmers
CO-6907	125
86-V-96	13
83-R-23	12
1053	03
Raghunath	01
Nilamadhab	01
Biswanath	03
Charchika	01

Cane Productivity Vs Type of Land

Land Type	Low	Medium	Upland
Cane Yield (mt/ha)	46	60	54

The Strategic Interventions...

...from October 2010 to till date



Dr. Loga's visit

- Participated in State level Agriculture Fair with ATMA, Nayagarh
- Participated in District level Exhibition
- Provided Technical support to Extension functionaries of Agriculture deptt. of Govt of Orissa under RKVY-Sugarcane Development Programme.

- 45 village meetings
- 876 individual interactions
- 12 nos. of Farmers' training at the bud chipping, seedling preparation and transplantation site covered 380 farmers'
- 30 nos. of SSI demonstration
- 7 nos. of Knowledge Sharing Meets
- 6 Block level SSI Experience sharing workshop



Dr. Loga's interaction with govt. officials

and a success story...

- The group of 13 members took Sugarcane cultivation (IGP) in traditional method investing around Rs 86,350/- for 3.5 acres inclusive of costs like land lease (Rs 42,000) cost, seed, irrigation, fertiliser, labour (excluding self labour of 789 person-days)

At the same time 9 out of 13 members had also taken the initiative for SSI in 78 decimal and invested Rs 14,420/- inclusive similar costs like (Rs 9000/- for land lease), labour (excluding self labour of 63 person-days)

Estimating for 25 decimal cost investment they spent 3 times more on traditional approach along with 3 times more time investment.

- The average production they harvested from traditional fields was 32 ton/acre while from SSI fields, it was more than 46 ton/acre.

- The bonus they gained from SSI through **intercropping** has been estimated to Rs 16400/- which includes okra, cowpea, cucumber and jute

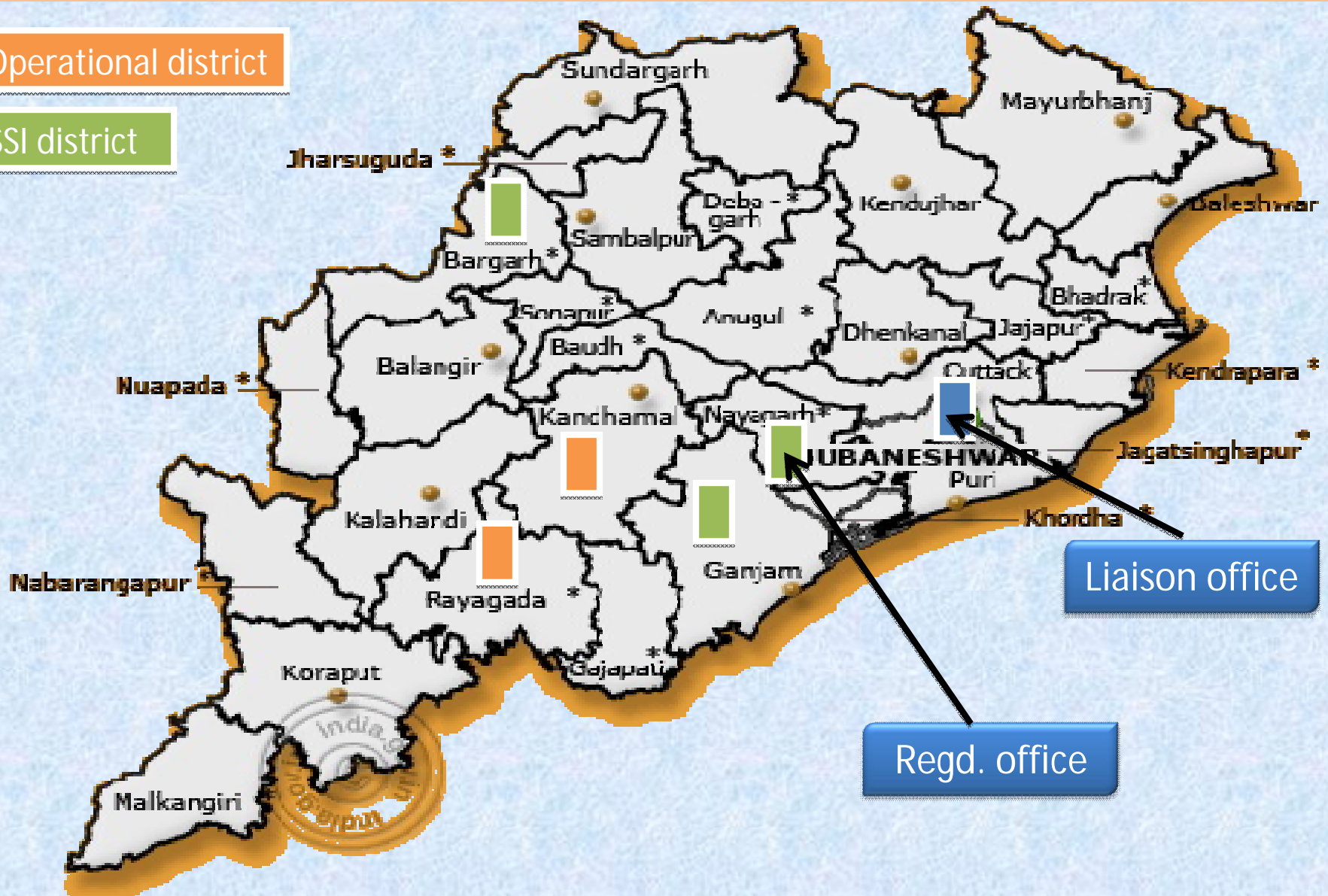
Experience & Learning....

- Cost of Production declines substantially
 - (Rs. 28000/Acre)
- Supplementary income from intercropping
 - (Rs.5000 to 23000)
- Growth in Ratoon crop is better
- SSI has been Economically viable
- Farmers are reluctant for wider spacing 5' × 2'
- Govt. organizations are yet to utilize the potentials of SSI in Odisha

NIRMAN works in...

Operational district

SSI district



benefits experienced in SSI adoption...

Particulars	Conventional	SSI
Seed	76,800 nodes Rs 14400/-	5,600-6,500 buds Rs 1300/-
Water	24 hrs/day for 4 days: 8 times in a crop cycle	8 hrs/day for 3 days: 4 times in a crop cycle
Labour (including irrigation)	1190 person-days/ 1776 hrs in a crop cycle	136 person-days / 648 hrs
Per Acre Cost	Rs 21,244/-	Rs 7200/-
Intercropping	Nil	Possible (Bonus for Farmer)

Activities in Odisha



ସୁସ୍ଥାୟୀ ଆଖୁରୁଷ

- ବିଦିନ ଓ କରୁ ପ୍ରତି ମାତ୍ର ୫୦୦ କୋଟି ଚରୁଚାରୁ ହୁଏ ।
- କେବଳ ଗୋଟିଏ ଆଖୁ ଲୁଗାଯାଏ ।
- ହିଲ୍ସ ଫୁଲରୁ ଚାହିଁ ଫୁଟି ଓ ସାଗରୀ କୃତାକୃତା ପରିମାଣରେ ଯାଏଁ ଏହି ଫଳ ଅରୁଣା ପଦାର୍ଥ ଗୁଣ୍ଡରେ ପଡ଼ିଯାଏ ନାହିଁ ।
- ମୁନି ଆଖୁ ଉତ୍ପାଦନ କର୍ତ୍ତାପକ୍ଷେତ୍ରରେ ।
- ବିଦିନ, ମଧୁଆଖୁ, ଡାକପେଟର କମ୍ ପରିଚାଳନା ହୁଏ ।
- ଏହି ଫଳ ଓ/ବା ପଲ୍ଲୀ ପରେ ଗୁଣ୍ଡ ଉତ୍ପାଦନ କର୍ତ୍ତାପକ୍ଷେତ୍ରରେ ଫୁଲ ଫଳ ଉତ୍ପାଦନ ହୋଇଥାଏ ।
- କୌଣସି କୃତାକୃତା ଗୋଟିଏ ଫଳ, ଫଳାଫଳ, ଡାକପେଟ ପ୍ରତି ଯାଏଁ ଫଳରେ ଅଧିକ କୋଷ୍ଠିଳ ହୁଏ ନାହିଁ, ସେତେବେଳେ ଉତ୍ପାଦନ ହୋଇଥାଏ ନାହିଁ ଏବଂ ଫଳ ପ୍ରତିଷ୍ଠା ହୁଏ । କିଛି ସ୍ତରରେ ଗୁଣ୍ଡ ଉତ୍ପାଦନ ।

ସାଧାରଣ ଆଖୁରୁଷ ଉତ୍ପାଦନ କର୍ତ୍ତାପକ୍ଷେତ୍ରରେ ଫଳ ଉତ୍ପାଦନ ହୋଇଥାଏ । ଉତ୍ପାଦନ କର୍ତ୍ତାପକ୍ଷେତ୍ରରେ ଫଳ ଉତ୍ପାଦନ ହୋଇଥାଏ ।

ପୋଷାପୋଷ:- ନିର୍ମାଣ, ଗ୍ରା/ପୋ:- କିରୁଡ଼ା, ନୟାଗଡ଼



Thank You

