WVSS Experience
On crop adaptive trails
&
Seed multiplication

August 19, 2020
Overall Objectives

✓ To increase the choice of improved seed for farming community.
✓ To create demand driven seed supply system though engagement of private public partnership
✓ To improve quality seed availability and access for the farming community
✓ Assist the government of South Sudan to scale up improved varieties for principle food crops in South Sudan.
Why Crop Adaptive trial?

✓ It is a simple, low cost and gives short term solution for introduction and promotion of new variety.
  ✓ New variety release takes long time.
✓ Varity testing done with full involvement of community, which speedup the screening.
✓ It will feed in to (Inform) the seed multiplication program by screening the best adaptive and productive variety.
First Year crop adaptive trails: 2018 cropping season

✓ Number of adaptive trail site; conducted in 3 site
  ▪ Rajaf, Warrap & Upper Nile

✓ Crops type used:
  ▪ Sorghum, Pearl millet & OFSP

✓ Result of the first
  ▪ Sorghum: Out of 48 new variety brought from ICRISAT, 10 variety shows good result and recommended to be tested again next season.
  ▪ Pearl millet: 6 variety used for testing and recommended to repeat the testing.
  ▪ OFSP: 6 variety used for testing and recommended to do the same test for all.
Second Year crop adaptive trails: 2019 cropping season

✓ Number of adaptive trail site; Reduced to 2 site
  ▪ Rajaf & Warrap

✓ Crops type used;
  ✓ Sorghum, Pearl millet & Sesame

✓ Number of crop variety used for testing;

✓ Sorghum: 16 entry: 1st year 10 best performing + 3 Local check + 3 Local variety.

✓ Pearl millet: 16 entry: 13 new variety + 1 local checks + 2 local variety.

✓ Sesame: 9 entry (6 Improved + 3 Local)
Second crop adaptive trails: 2019 cropping season

✓ Result of the second year;
  ▪ Sorghum: 3 variety shows good result and recommended to be tested again next season.
    - IESV 99034 DL-2
    - IESV 92162 DL
    - ICSV 142010
  ▪ Scale up of Kari Mtama
    - Pearl millet: 2 variety shows good result and recommended for scaleup.
      - ICMV 167001
      - Chakti (high iron content) of ICMV 167006.
  ▪ Sesame: The trail affected by excessive rain and do data on yield.
Review Meeting & Recommendation

✓ Shared the data for all key stakeholders Via virtual meeting.

✓ Even though those varieties recommended for scaleup has showed good result and also farmers preference incorporated during farmers field day but because of data inconsistency between the two site, it is recommended to repeat the variety testing next cropping season, If possible increasing coverage and addressing the problem associated with data collection.
3rd round trails: 2020 cropping season

✓ Number of adaptive trail site; Increased to 8 site

- 2 Site Rajaf & Warrap  WVSS DFAT Funded
- 2 Site Gogerial East & Twic  WVSS - EU FORSITE
- 1 Site Wau (Jur River)  NRC - EU FORSITE
- 1 Site Lake State (Cuiebet)  AVSI - EU FORSITE
- 1 Site Upper Nile (Meluth)  WVSS OFDA
- 1 Site Upper Nile (Fashoda)  WVSS USAID FFP

✓ Crops type used;
   ✓ Sorghum, Pearl millet & Sesame

✓ Number of crop variety used for testing;
   ✓ Sorghum: 14 variety brought (last year 10 + 2 new variety + 2 Local check) we add 2 Local variety.
   ✓ Pearl millet: 14 Variety brought & we add 2 local variety
   ✓ Sesame: Secured internally from the MAFS, 6 improved variety and 3 local variety will be used.
What is achieved this year?

✓ We received all seeds for trail from ICRISAT Kenya through DHL.

✓ Out of 8 trail site, 6 already planted except 2 site in Upper Nile.

✓ Planning to organize training on **crop trial data collection** for each trail site focal person and data collector as per last year recommendation.
Learning & Future Focus Area.

✓ Government Engagement: In all area, available government or University breeders/agronomist engaged with signed MoU

✓ Community Engagement: Two farmer field days organized to collect farmers opinion and reflection on all crops on adaptive trails.

✓ FSL Partner Engagement & more collaboration;
  ✓ Your input is very much important: Plan to visit any of the trial site or join us for field days in Rajaf.
  ✓ You can think of including crop adaptive trail site if you are designing any new FSL project in so far unreached area. Jonglei, Unity, NBS, EES, WEQ etc. ICRSAT will provide all seeds freely and we can guide you technically.
WVSS Experience
On seed multiplication

August 19, 2020
Strategic Thinking

- Establish one seed multiplication group per Payam
- Each group to cultivate **minimum 10 feddan** with their own choice of the crop
  - Sorghum
  - Ground nuts
- To select site considering **geographical isolation, fertile and accessible for monitoring support.**
Approach for Seed Multiplication

- As an approach the following activity integrated;
  - **Training** for the groups (Seed multiplication & Post harvest training)
  - Provision of **seed** (Foundation seed ???)
  - Provision of **technical support** by County Agriculture, partners e.g. Catholic University and project team
  - Facilitation of the groups for **mobilizing saving & dev’t of business plan**.
  - Facilitation for group **seed storage construction** with cost sharing.
  - Facilitating **market linkage**.
Last year achievements & learning

Achievements;

- 9 seed multiplication group formed in 9 Payam
- Training conducted on seed multiplication, good farming practice and post harvest for all groups.
- 9 saving group established, mobilized good saving, they are supported with VSLA kits.
- Each group constructed improved granary with cost sharing.

Learning;

- Most of the group confirms the increase in production but few keeps the seeds and benefited from market linkage.
- Less attentive to geographic isolation.
- No consistency on implementing improved farming practice.
- Decrease in members # is a challenge to continue as group
New Move to work with Seed Company

- With aim of ensuring **business continuity** and **market linkage**, WV set a strategy to work with private seed company.
- Requested all nine registered seed company to send expression of interest for working in this modality, only 3 replied.
- Discussed on the modality to define role and other details.
- Signed MoU
Key Responsibility in the MoU

**World Vision**
- WV to organize farmers group, cover the training cost for farmers and do monitoring.
- WV to think of the seed aggregation center construction.

**Seed Company**
- To go and visit each group, meet farmer and confirm the feasibility.
- To sign contract agreement with farmers clearly indicating all details involving CAD.
- To produce appropriate training materials and conduct the training.
- Provide seeds for farmers.
Thank you!
You are most welcome with your question/comment/suggestion
New Move to work with Seed Company

Few learning so far:

• Managed 6 groups in Rajaf
• Difficult to implement this in far area. e.g. Lake State.
• The seeds supplied by seed company needs to be monitored.
• Farmers delayed the land preparation after signing contract & asking for cultivation support.
• Think of organizing small number of farmers as group