

EFFECTIVE FARMER COMMUNICATION:

A critical component of achieving IPM

Part 2: Communicating to farmers: different channels and modes of communication



27 July 2021



Time	Agenda Item
10:00	Introduction
10:05	Ariel BenYishay /Ahmed Mushfiq Mubarak , Professor, Yale University Communicating with Farmers through Social Networks
10:20	Q & A Session
10:30	Gelsey Bennett , Digital Green Connecting with farmers through the use of video and multimedia
10:40	Q & A Session
10:50	Siddharth Surana , AgriCentral, Olam Digital Applications: The AgriCentral Experience
11:05	Q & A Session
11:15	Rogelio P. Matalang , Philippine Federation of Rural Broadcasters Connecting with farmers through radio
11:25	Q & A Session
11:35	Dannie Romney , CABI Hybrid approaches to farmer communication
11:45	Q & A Session
11:55	Summary
12:00	Close



Photo by G. Goergen, IITA.

A recording of the webinar will be made and be distributed 1 week after this session

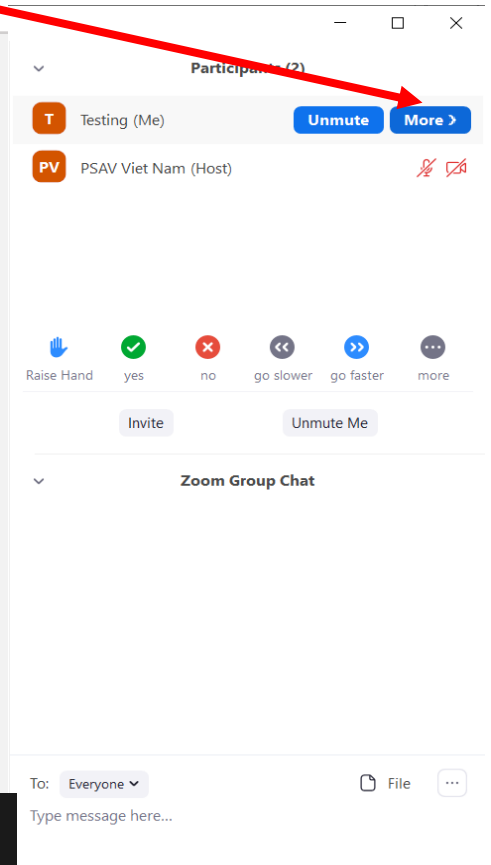
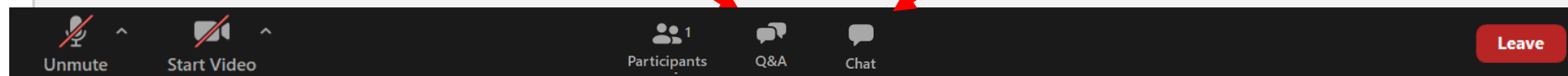
1. Technical issues:

- Try logging off and on
- Send a message to “Grow Asia” in the Chat

3. **Rename** yourself under “More” using the format “Name (Organization)”

2. Use the **Q&A box** to ask questions to the speakers

4. Use **Chat** if you want to just make a comment to everyone (e.g. thank a speaker, share a link, highlight an important point)



ASEAN Action Plan on FAW Farmer Communication Workshop Series

A four-part series to catalyse action on the development and design of more effective farmer communications on IPM and FAW control

- **Session 1:** Behaviour
- **Session 2:** Communication Channels
- **Session 3:** Pesticide Use & Behaviour
- **Session 4:** Best Practice

Register at: <https://www.aseanfawaction.org/events>

Case-Studies: We want your case-studies and examples – contact us at faw@growasia.org

Interactive

Give us your feedback and questions in the farmer communication forum at:

<https://www.aseanfawaction.org/forum/farmer-communication>

(if you wish to have a certificate of participation you must subscribe to the farmer communication forum and either ask a question, share something interesting about farmer communication like an example of something you noticed that worked well, or note something you found useful in the workshop)



1. www.aseanfawaction.org

HOME ABOUT PROJECTS EVENTS **COMMUNITY** RESOURCES

2.

Blog

Forum

Research Organisations

Community

Join our community through our blog, interactive forum, or by sharing more about your organisation and activities.

3.



FORUM

This is your opportunity to ask questions, share ideas and experiences and talk about how to manage FAW in the region using integrated pest management approaches

Forum

Any problems email: faw@growasia.org

Once you have completed this step please email faw@growasia.org to request participation certificate and please say which sessions you need a certificate for.



Farmer communication

Following

42 8

How can we best communicate with farmers to ensure access to information on how to control FAW and improve IPM?



GIỐNG	GIẢM LƯỢNG PHÂN ĐẠM	GIẢM PHUN THUỐC TRỪ SÀU
<p>ĐIỂM:</p> <p>Đùng nước trong 10 lít gay hạt lép, ã lại nước là</p> <p>thích hợp:</p> <p>g/ha. kg/ha.</p> <p>THỬA</p> <p>u bệnh ngã in giống in phân kiếm tiền</p>	<p>1- Sử dụng bảng so màu lá lúa để bón phân đạm cho lúa vào 2 thời điểm là 20 đến 25 ngày sau sạ và 40 đến 45 ngày sau sạ</p> <p>Cần bón Đạm</p> <p>Không cần bón Đạm</p> <p>2- Điều chỉnh lượng phân đạm để giữ màu sắc lá lúa luôn ở khung màu số 4.</p> <p>3- Bón cân đối phân Lân và phân Kali theo lượng khuyến cáo (tờ bón phân kèm theo).</p>	<p>Không phun thuốc trừ sâu cuốn l trong giai đoạn từ 0 đến 40 ngày sạ. Vì trong giai đoạn này cây lúa c khả năng tự bù đắp những thiệt hại d sâu gây ra.</p> <p>Lợi ích của việc giảm thuốc trừ sâu</p> <ul style="list-style-type: none"> ☞ Bảo vệ côn trùng và động vật có ích, hạn chế sự bộc phát của nhiều sâu hại khác. ☞ Giảm ô nhiễm môi trường. ☞ Giảm chi phí.

Examples of communication: TV series and poster campaigns

	HIỆU QUẢ	Chúc Bà con Trùng mùa Trùng giá
<p>o bờ biện cách lụng ít cả , giữ lụng suất, uốc quả</p>	<ul style="list-style-type: none"> ✓ Tăng năng suất ✓ Tăng chất lượng gạo ✓ Tăng lợi nhuận <p>Kính mời bà con tham gia chương trình "3 giảm 3 tăng" để tăng lợi nhà ích nước, bảo vệ môi trường trong lành, bảo vệ sức khỏe mọi người.</p> <p>Hãy liên hệ các địa chỉ sau đây để được hướng dẫn thực hiện:</p> <ul style="list-style-type: none"> - Cán bộ Khuyến Nông xã. - Hội Nông Dân xã. - Trạm Bảo Vệ Thực Vật huyện. - Trạm Khuyến Nông huyện. - Trung Tâm Khuyến Nông tỉnh Cần Thơ. Số 04 Ngõ Hữu Hạnh - TP. Cần Thơ. ĐT: 820783 - Chi Cục Bảo Vệ Thực Vật tỉnh Cần Thơ Số 5E Đường 30 tháng 4 - TP. Cần Thơ. ĐT: 825787 	<p>3 Giảm</p> <p><i>Giảm</i></p> <p><i>Giảm</i></p> <p><i>Giảm</i></p> <p>SỞ NÔNG NGHIỆP</p>

**Examples of
communication:
FFS, school
education
campaigns**



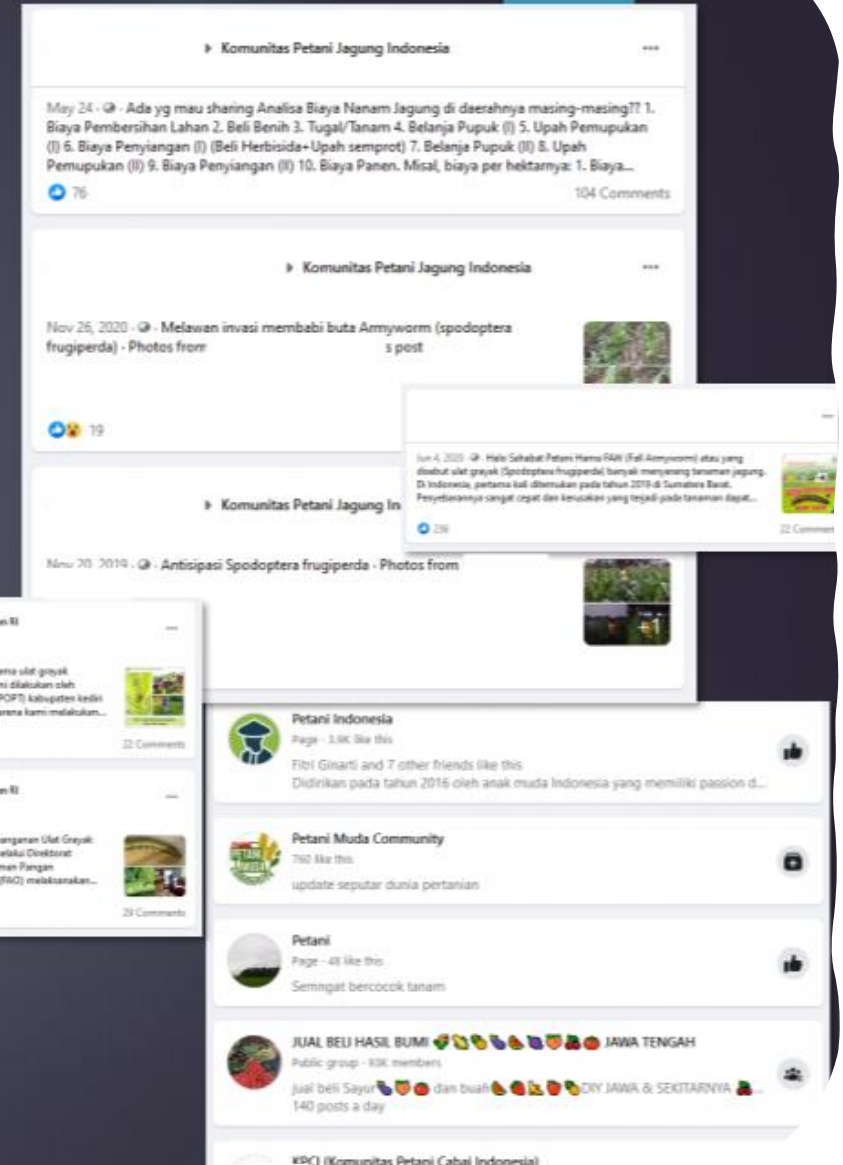
Government

- ▶ Several Institution have released fact sheets (pdf or website articles)
- ▶ Information are relatively similar, including:
 - ▶ Origin
 - ▶ Identification
 - ▶ Host range
 - ▶ Damage symptoms
 - ▶ Prevention (monitoring, mechanical and culture practice, crop rotation)
 - ▶ Information on natural enemies



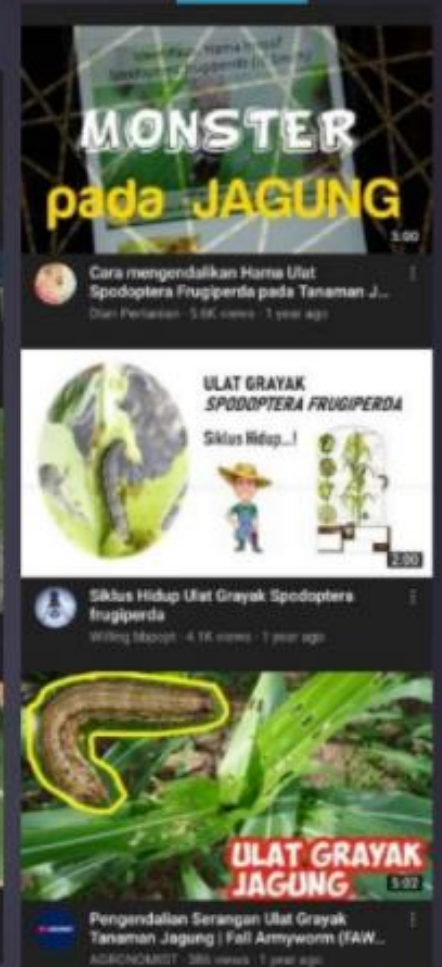
Facebook, Whatsapp, Telegram

- ▶ Government institution have official accounts
- ▶ Many groups based on region, farmer groups, or purpose (trading)
- ▶ Groups may contain various stakeholders: **farmers, seed or pesticide representates, and middle mans**
- ▶ **Whatsapp** and **Facebook** are the most used media
- ▶ **Telegram** are sometime used. Less groups founds



Youtube

- ▶ Videos are a popular way to share information
- ▶ There are various information presented: **origins, biology, symptoms, management**
- ▶ Some videos are created by employees of the Indonesian Ministry of Agriculture
- ▶ There is also videos from the **Indonesia Entomology Society** (Perhimpunan Entomologi Indonesia - PEI)



Social Learning as a Policy Tool: Lessons for Agricultural Extension

Ariel BenYishay, William & Mary \ AidData

Social learning is quite common

- Pineapple growers in Ghana, maize farmers in Malawi, Mozambique and Uganda, rice farmers in Bangladesh and India, corn farmers in US Midwest (Conley and Udry 2001, 2010, Bandeira and Rasul 2006, Foster and Rosenzweig 1995, etc.)
- Also in many other non-agriculture settings:
 - Employment referrals (Beaman and Magruder 2012)
 - Health insurance and service utilization (Berg et al 2012; Goldberg et al 2019)
 - Nutrition (DeLorme et al 2018)
 - Microfinance (Banerjee et al 2013)

Learning about what?

- Benefits of the techniques
- Methods for implementing them
- Costs / risks

All of these are partly observable by others, and partly not

- ... so extent of mimicry vs. deeper understanding varies
- ... and effort to *communicate* by the initially trained may also be important

Learning about what?

Those who are disseminating the technologies also sometimes must learn

- Learning-by-doing: complementarity between own adoption and success teaching others
- When the returns are variable across people, disseminators must identify who is likely to benefit

Puzzle:

If social learning is so widespread, why don't more technologies/behaviors promoted by extension officers catch on quickly?

Enlisting volunteers?

- Voluntary effort to communicate *can* work when
 - Volunteers intrinsically motivated (really believe in spreading the word)
 - Benefit greatly (really believe in the tech)
- Otherwise, need to consider the incentives for dissemination

Enlisting volunteers?

- Performance-based, in-kind rewards based on
 - Info spread (how much do others learn)
 - Take-up and long-term adoption (do they try it? do they stick with it?)
 - Outcomes (better yields, nutrition, etc.)
- Which of these to incentivize really depends on (a) variability in the tech's benefits, and (b) length of time
- In one successful case in Malawi, we incentivized based on info spread after one season and adoption in second season (BenYishay and Mobarak 2019 *REStud*)

To maximize social learning, should we target extension differently?

- Most extension is based on a mix of agent- and farmer-based selection
- “Lead” farmers, who may be more willing to experiment, better educated, etc.
- But these farmers may not be most relevant to others’ learning
- If skill, assets, labor access, or other complementarities, then the returns to the tech will vary across population
- >People will learn more from others who are similar to them
- >>Those who are similar to largest number (who are most “representative”) might be best trainees

To maximize social learning, should we target extension differently?

But getting those who are similar to take training, experiment, and communicate may be harder

(remember, these are not the folks who show up as typical “lead farmers”)

So role of incentives may be even stronger

(Detailed in BenYishay and Mobarak 2019)

To maximize social learning, should we target extension differently?

Targeting at different levels:

1. Individuals
2. Clusters within villages
3. Villages

This really depends on how much complementarity there is among initial trainees

→ How important is it to hear about tech from multiple sources?

→ How much do trainees work together?

Simple or Complex Learning? (Beaman et al 2019)

- Target training at clusters (where this kind of reinforcement is more likely)
- (Possible) Trade-offs between individual centrality and clustering
- We measured social networks carefully in 200 villages in Malawi
- We then optimized two initial trainees for new planting tech based on either simple (1contact) or complex (2 contacts) learning simulations
- Selecting based on complex slightly outperforms other methods (including extension agent selection)
- In reality, mix of learning types across population (not far from 50/50)

Gender dynamics

Gender differences in:

- On-farm / in-home roles
- Opportunity costs for teaching
- Complementary inputs, education, etc.
- Social perceptions/attitudes
- + more...

We experimented with varying the gender of initial trainees (BenYishay et al 2019 JDE)

Women trainees learned at least as well as men

... but were perceived to be less knowledgeable

Therefore had to exert more effort to overcome this perception achieve similar adoption throughout their village

This extra effort comes at real cost

Open questions

- Tech or behaviors that themselves have external benefits / spillovers →
Selecting trainees based on mix of learning and tech externalities
- Simple proxies for social network positions? (village “gossip”, geographically central, etc.)
- Differences in tech/behaviors along key dimensions:
 - Observability of adoption, methods, and returns
 - Heterogeneity in returns
 - These have implications for the role of initial trainees in communicating and identifying potential learners

Questions and Answers

**Dr Ariel BenYishay/
Dr Ahmed Mushfiq
Mubarek**

Associate Professor of
Economics at the **College of
William & Mary**. Chief
Economist of **AidData**

Professor, **Yale University**

Please use the Q & A Box to ask
questions to our speakers





Digital
Green

Empowering farmers to lift themselves out
of poverty

Gelsey Bennett
Gelsey@digitalgreen.org





Increasing farmer incomes & driving government efficiency



Through farmer-to-farmer
extension videos,



we've reached
2.3 million farmers,
73% of whom are women,



in collaboration with 46,000
government extension workers.

- ✓ Increased uptake of practices by 50%
- ✓ Increase in yield up to 46%
- ✓ Increase in incomes by up to 17%
- ✓ 7.6x cost effectiveness





Partnerships & social networks

A photograph showing three men in a rural field. In the foreground, a man in a blue checkered shirt looks down at his hands. To his right, a man in a red cap and grey jacket holds a red bowl filled with yellow corn. In the background, another man is operating a video camera on a tripod. The scene is outdoors with a plowed field and other people in the distance.

**Facilitation, peer-to-peer learning and
local context**



Including women can enable:

- ✓ **Knowledge increase**
- ✓ **Participation in decision making**
- ✓ **Adoption & productivity increase**

A photograph showing four men in a cornfield. One man in a white sweater is holding a corn plant and examining it closely. Another man in a red shirt is looking at the same plant. A third man in a grey shirt is also looking at the plant. A fourth man in a straw hat is standing behind them. The background shows a vast cornfield under a cloudy sky.

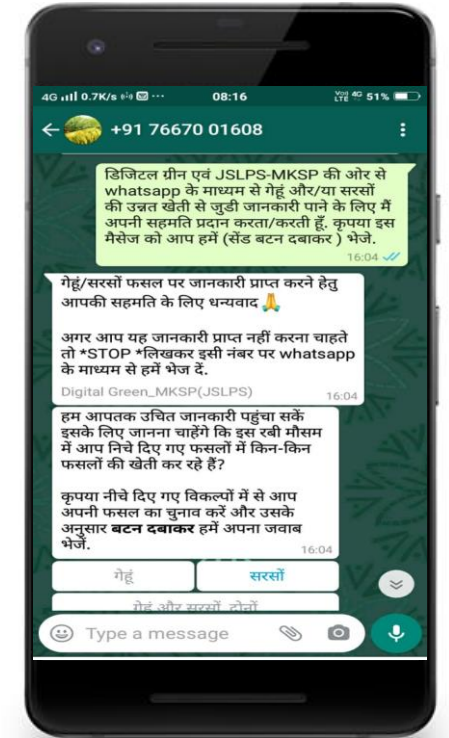
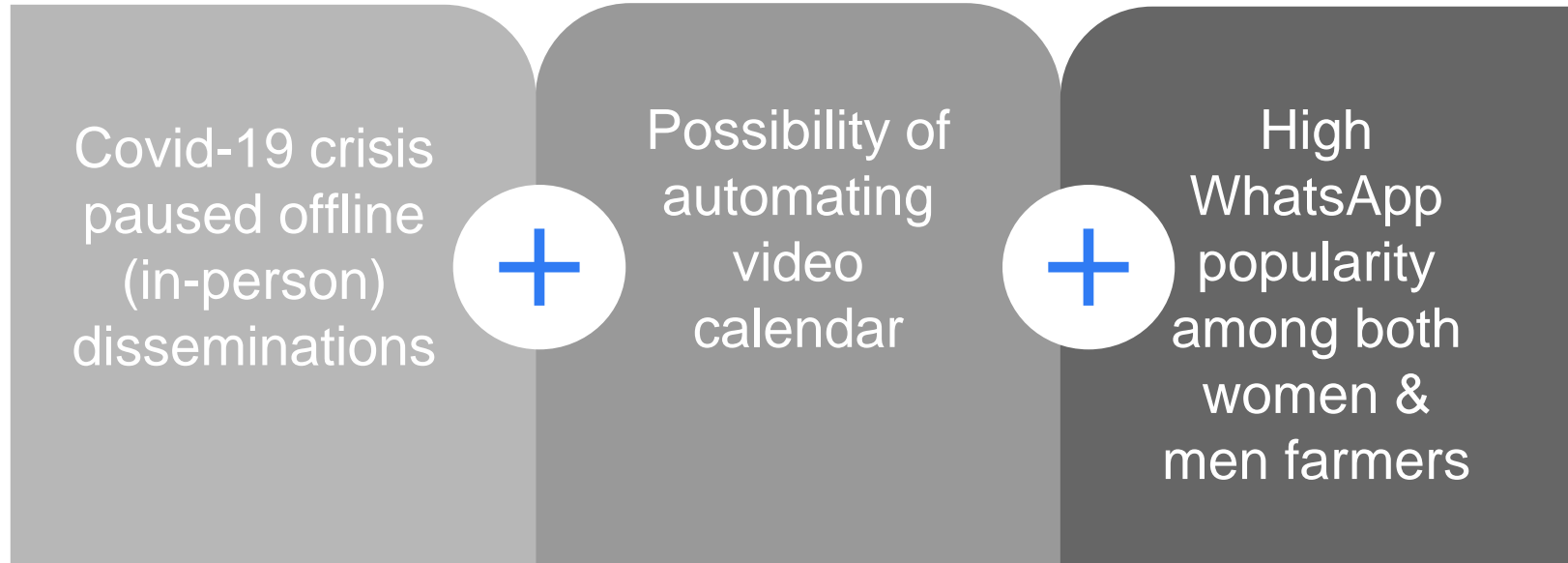
Ethiopia Fall Armyworm pilot:

**Video + IVR + survey +
pheromone trap data =
integrating data is tough!**

**Integrating channels can
amplify impact**

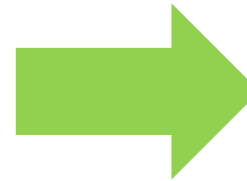


WhatsApp-facilitated online communities & chatbots





IN-PERSON MEETINGS



**IVR /
8028**



**Mobile
Apps**



**Voice /
SMS**



Video



INTEGRATED CHANNELS

Takeaways for effective communication to farmers to drive behavior change

- Farmer-first
- Technology isn't a silver bullet
- Human element is important - i.e. partners, peer-to-peer learning, social networks, and local contextualization
- Data is a great amplifier
- Integration of channels can increase reach and impact

THANK YOU



shreya@digitalgreen.org

Questions and Answers

Gelsey Bennett

Senior Program
Manager, **Digital Green**

Please use the Q & A Box to ask
questions to our speakers



Use of information and communication technologies by Vietnamese smallholders: Implications for extension strategies

BY HUNG GIA HOANG

HUE UNIVERSITY, VIETNAM

Key findings

- The smallholders used mobile phones, TV and radio networks/broadcasts as the common ICT tools, and these were also effective ICT tools for accessing agricultural information.
- Lack of knowledge and skills for using applications on mobile phones were the main challenge to the smallholders' use of ICT.
- A statistically significant relationship, existing between the extent of mobile phone use and the smallholders' age, gender, and the type of households was found.
- There was a statistically significant relationship existing between the extent of radio network/broadcast use and the smallholders' and gender.



Communicating with Farmers: The AgriCentral Experience -Siddharth Surana

The Mission

To help farmers make better decisions using technology driven information and advisory delivered via digitally.

Thereby empowering them to increase their profitability in a sustainable manner.



Information and Decision Support in Five Indian Languages



Pest & Disease Management

Crop Care

- 33 Crops
- 1200 Pest and Diseases
- Daily ~10,000 solutions given



Good Farming Practices

Crop Plan

- 39 Crops
- ~800 Chemicals
- 4000 Brands
-



Market Prices

Market View

- 114 Crops
- 1668 Markets
- 15K+ Price Points



Agri/Rural News

Bulletin

- 70 News Articles/week
- 238 Govt. Schemes
- 95 Agri Events



Community

Farm Voice

- ~2000 Posts and comments daily



Weather

Weather

- 15 Days Forecast
- 3 hourly updates



Growth of AgriCentral Community

- Launched in January, 2019
- Free for Farmers
- 4.63 Mn downloads
- Users in >30 states of India
- Featured as one of the best 'Made in India' applications



The Communication Challenge!



Nagabhushan is a small holder from Ananthapur, a drought-prone district in Andhra Pradesh. He cultivates maize on three acres and is not happy with the low yields and high cost of cultivation. He's always in doubt if he is getting a fair price of his produce.

He will surely benefit by using AgriCentral.

But...

- How does he discover AgriCentral (How do we reach him?)
- How will he know that AgriCentral can help solve his problems?
- How do we remain engaged with him?



The Tough Questions

- Is Nagabhushan educated enough to use AgriCentral?
- Does Nagabhushan have a smartphone with internet?
- Do we have AgriCentral in Naga's language?
- Do we cover maize as a crop?
- Where can we meet him?
- Will Nagabhushan trust us?

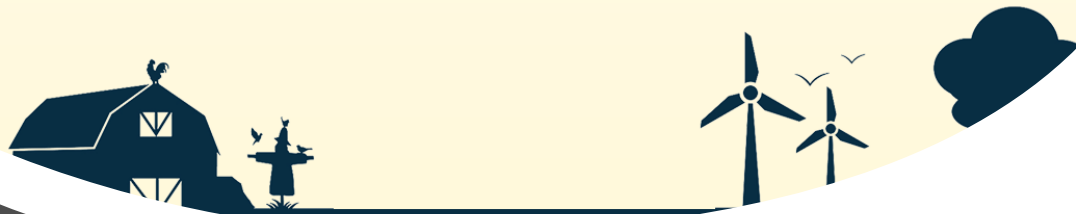


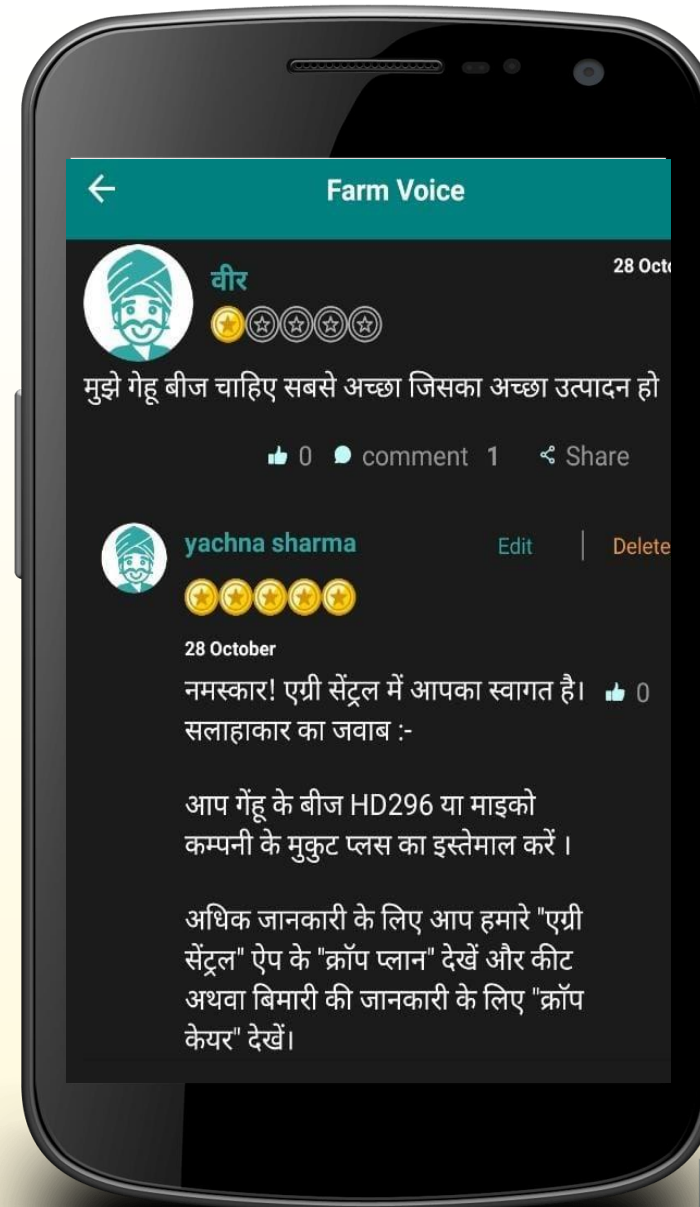
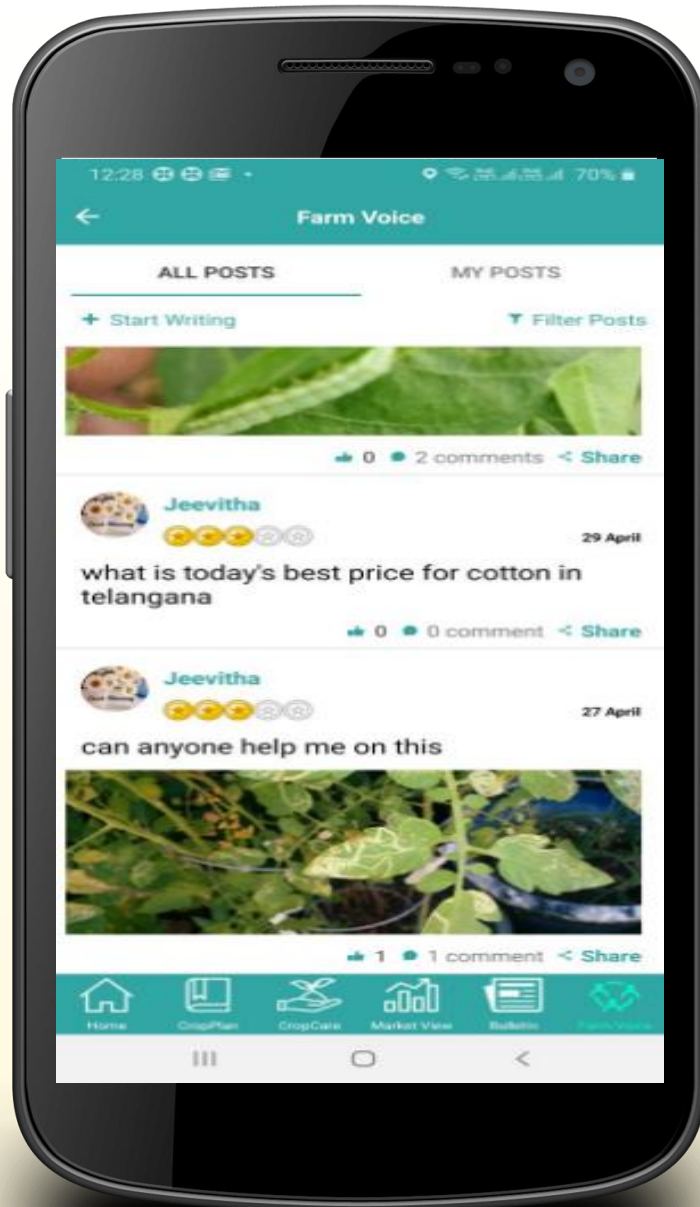
How Are We Trying to Solve These Questions?

- **How do we reach Nagabhushan?**
 - Meet him where he's likely to be
 - YouTube, Facebook
 - Introduce AgriCentral to him in a language he understands, and
 - Through an engaging story that he [can relate with](#)
- **How do we tell him that AgriCentral can help solve his problems?**
 - Give specific Examples AgriCentral can help solve [relatable problems](#)
 - Take Help of trusted [influencers](#)
- **How do we remain engaged with him?**
 - [Farm Voice](#)
 - Notifications
 - Call AgC Expert
 - [Facebook](#)



Thank You





Questions and Answers

Siddharth Surana

Founder-Agri-Central
Head Digital Business - Olam

Please use the Q & A Box to ask
questions to our speakers



Effective Farmers Communication

July 27, 2021
10AM Singapore



Rogelio P. Matalang, Ph.D.

President/National Chairperson
Philippine Federation of Rural Broadcasters

Effective Farmers Communication



1. Radio-based distance learning on Climate Smart Agriculture

- School -on-the-Air (Kaalang Pagsasaka sa Himpapawid)
- Cagayan Valley (Cagayan, Isabela, Nueva Vizcaya & Quirino)

2. Partner Implementing Agencies

- DA RFO2, ATI, IRRI, CCAFS SEA, PFRB, PAJ
- Gov't. Stations, Private & Community Radios



Effective Farmers Communication

3. Objective of SOA-SRA

- Facilitate the massive and sustained education of smallholder farmers on climate smart agriculture in Cagayan Valley thru radio.
- Heighten awareness and mobilize strong support & involvement of the rural populace in agriculture programs.
- Engage gov't. agencies, local gov't. units, state universities and colleges, civil society organizations and the private sector in regional agriculture programs.
- Serves as quick feedback mechanism among agriculture & fisheries stakeholders in Cagayan Valley.



Effective Farmers Communication

4. Why Radio?

- Research has proven radio as an effective medium in information dissemination especially in rural areas.
- Most cost-effective and most persuasive medium reaching the remote areas of the country.
- Only radio can reach the unreached where there is no electricity in rural areas where rice farmers are located.



Effective Farmers Communication

5. Advantages of Radio

- Transistor radios operate with dry cell batteries or solar equipped.
- Very handy and cheap
- The only source of information and entertainment in the countryside.
- Community radio stations are tapped to air gov't. programs in agriculture, fisheries and other fields.



Effective Farmers Communication

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Effective Farmers Communication

7. SOA-SRA

- RSBSA list of rice farmers where 10,000 enrollees were registered with LGU assistance.
- Walk-in participants who are non-enrollees were accommodated.

8. Reinforcement were employed thru:

- Field Days
- Techno Demo
- Trainings
- IEC Print Materials
- AVP on Livelihood
- Live Broadcast Thru Social Media
- Manual of Operations (SOA on SRA)



Effective Farmers Communication

9. Feedback Mechanism Thru:

- Distribution of interventions (seeds, fertilizer, pesticides for crops); dispersal of poultry/livestock to farmers affected by calamities, i.e., ASF, FAW, BPH/Bird Flu.
- Comments, suggestions among listeners & viewers are addressed by focal persons & subject matter specialist on different commodities.



Effective Farmers Communication

“ Ipeksak ti panagyaman dagiti kalugarak agraman daytoy numo iti daytoy napateg la unay nga impaay ti DA.

Saan a masnop ti panagyamanmi. Sidadaankami a mangsuporta kadagiti programa ti gobierno.”



ARTEMIO ARCHIBIDO

Brgy. Capt., Malalinta, Tuao, Cagayan

“ Napalaus a panagyamanmi kadaytoy inted ti DA ngamin idi nalmes dagiti tarakenmi a dinguen, guddua iti pagsapulanmi iti napukaw. Panagmula ken panagtaraken ti adda a pagbibiganganmi.

Maibagak a tarakenmi a nasayaat dagitoy inted ti DA, aglalo dagitoy burias tapno umadu manen ti taraknen.”



DIGNA ANTONIO

Hog Raiser, Amulung, Cagayan



Effective Farmers Communication



“

Agyamankami ti Dios a Namarsua ken DA ta addan daytoy financial a tulong nga ur-urayen dagiti kakabsat tayo nga apektado ti ASF ditoy Quezon.

Dakkel nga banag dagitoy iti ibabangon nangruna ket adda tayo pay laeng nga agsagsagaba ti epekto ti COVID19 pandemic.

”

MAYOR DOLORES BINWAG
Quezon, Nueva Vizcaya

“

Malaking bagay po ang pagbibigay ng DA ng mga sentinel animals through INSPIRE dahil ito lang ang paraan para maibalik uli ang hog industry.

Susubaybayan po namin ang mga kasama naming mag aalaga nito.

”



GENER MANDING

Livestock Inspector, Baggao, Cagayan



Thank you

Effective Farmers Communication

Rogelio P. Matalang, Ph.D.

President/National Chairperson

Philippine Federation of Rural Broadcasters

Questions and Answers

Dr Rogelio P. Matalang

President/National Chairperson
Philippine Federation of Rural
Broadcasters

Please use the Q & A Box to ask
questions to our speakers





From Pests to Participation

Dannie Romney, Global Director, Development, Communication and Extension

22nd July, 2021

1) Appraise environments



Situation analysis:

- ✓ **Incentives for adoption**
output markets, risk
- ✓ **Availability of inputs** –
affordability, accessibility
- ✓ **Policy environment** analysis of
barriers
- ✓ **Communication channels** –
preferred sources, partners

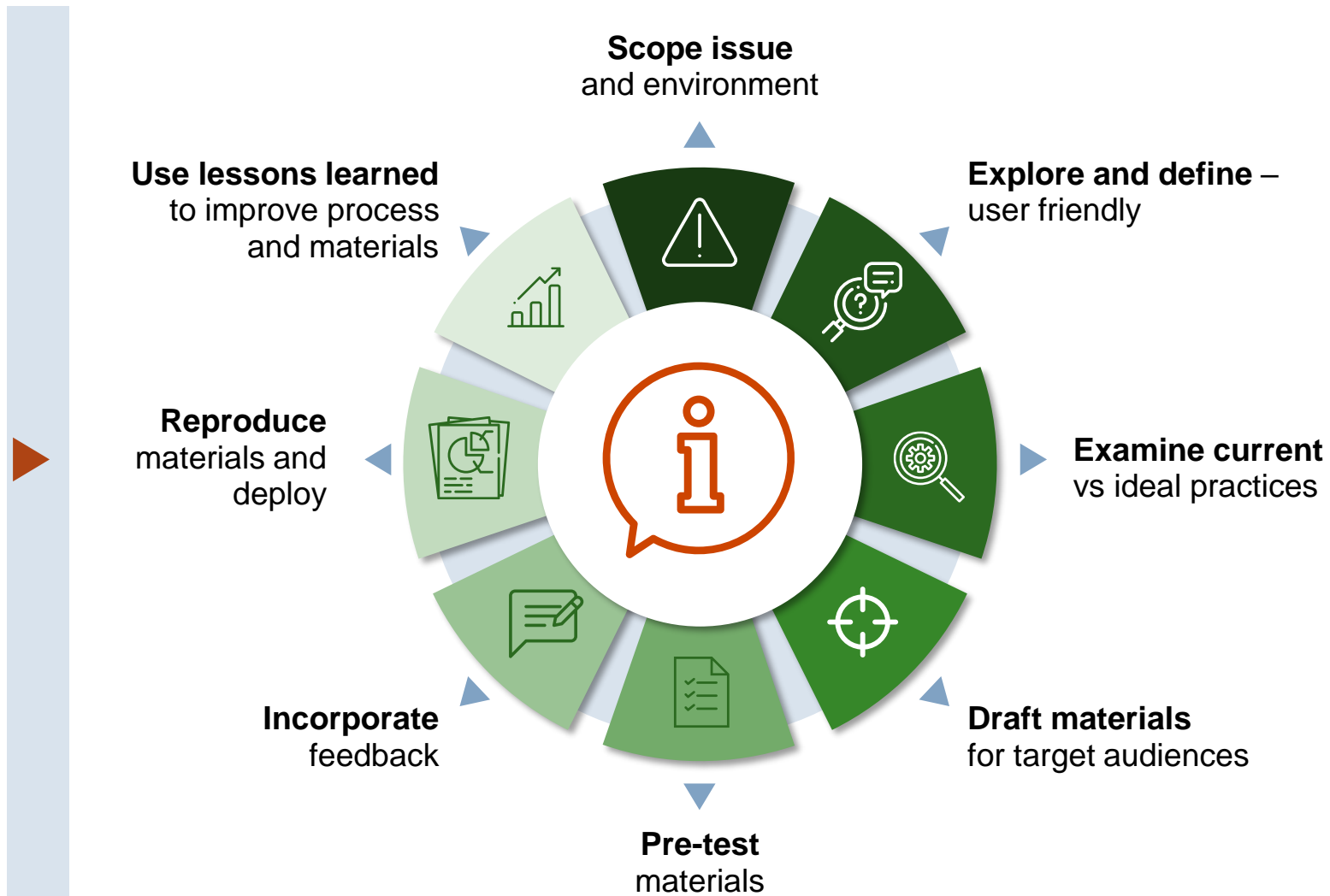
2) Convene campaign partners

Every campaign has four types of partner

- ✓ Delivery partners
- ✓ Knowledge partners
- ✓ Input partners
- ✓ Research partners



3) Develop content - from technology brief to materials




4) Disaggregate audiences



- ✓ Young people read comics and learn from curriculum materials supplied to schools
- ✓ Farmer-friendly and family-friendly information-sharing
- ✓ In Tanzania, for example, one young woman changed maize farming in her family after reading a comic

5) Deploying hybrid communication

 In practice	Early warning campaign ✓ Example Identification, prevention and management of Fall armyworm	New technology campaign ✓ Example Promotion of crop protection product	Good Agricultural Practices ✓ Example Good Agronomic Practices – including use of IPM across a season, good management of pesticides etc.
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Multiple channels/formats to balance reach and likelihood of sustained change

6) Linking learning and planning



On-going learning

- Improve iteratively
- Expands the evidence base
- Contributes to efficient use of resources



Learning used for

- Planning campaigns
- Informing local agendas
- Strengthening development communication practice

Digital solutions the new normal?



Opportunities

Radio: Wide reach, simple messages

SMS: Sharing information received

Apps: Rapidly increasing numbers

Facebook: Increasing number of farmer groups e.g. in Kenya

Chat groups: Useful for intermediaries requires active moderation

Challenges

Regulation: Regulations to protect privacy

Churn rate: High for mobile lines, apps etc.

Digital divide: Rural/urban; men/women; wealthy/poor; young/old

Digital literacy: Remains limited in rural areas

Access: Infrastructure, cost of devices, cost of data

Cost of digital – Alliance for Affordable Internet 2019

Smartphone cost (Affordability = % monthly GNI)

Income group	Price (\$)	Affordability %
Low income	42	81.2
Lower-middle income	58.1	43.0
Upper-middle income	55.7	10.1

Data cost

Across Africa, average cost of 1GB data = 7.1%

Equivalent to US earner paying \$373

Advisory – Plantwise and plant clinics in Kenya



In practice



Institutional coordination improved – AAK, PCPB, KALRO part of Steering Committee

Increased Knowledge scores from Plant doctor training

For farmers in within 1.5km radius of clinics

Reduced pesticide use:

- 8pp less likely to use pesticide

- 7pp more likely to avoid chemical drift

- more likely to use PPE and wash

Higher production – 13% increase in value/acre

Higher net incomes

Advisory – Plant clinics in Rwanda/Zambia

Effect on pesticide and PPE use for farmers with FAW



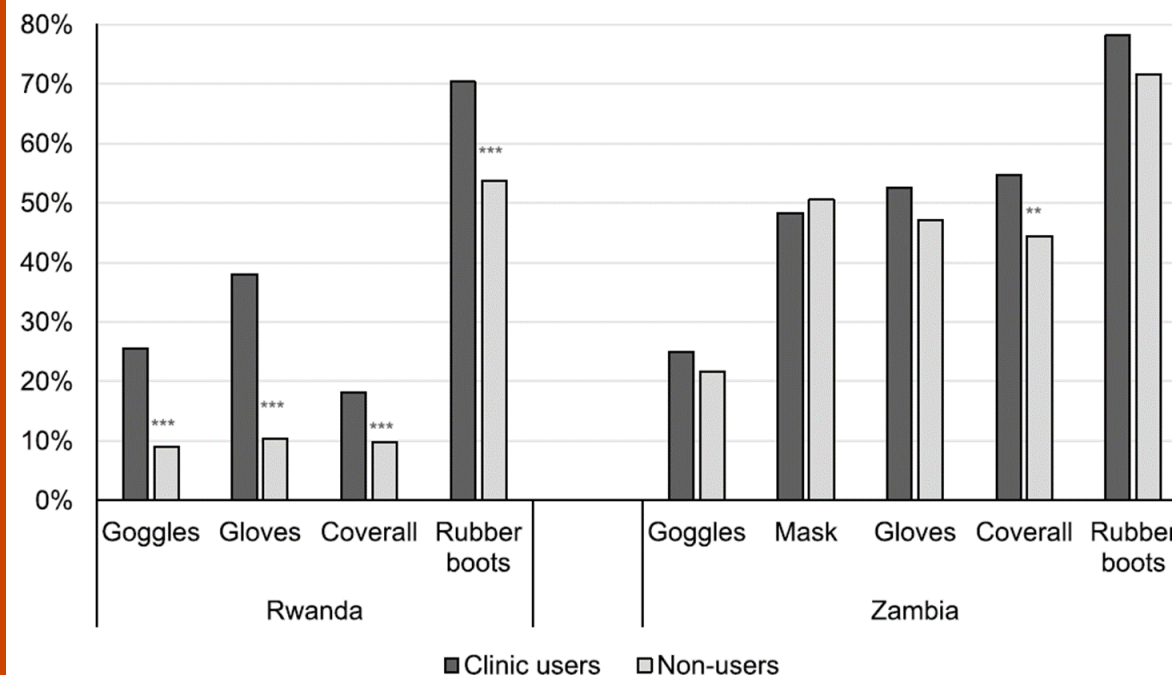
In practice

In Rwanda/Zambia

14/66% more likely to
use pesticide

*Cost/ha and no. sprays
similar*

51/14% more PPE used



Emergency - support response to FAW in Uganda – radio, video screenings, SMS



In practice

Delivery partners: Farm Radio International, TRAC-FM, Hamwe, Peripheral Vision International

Knowledge partner: MAAIF

40,600 watched videos

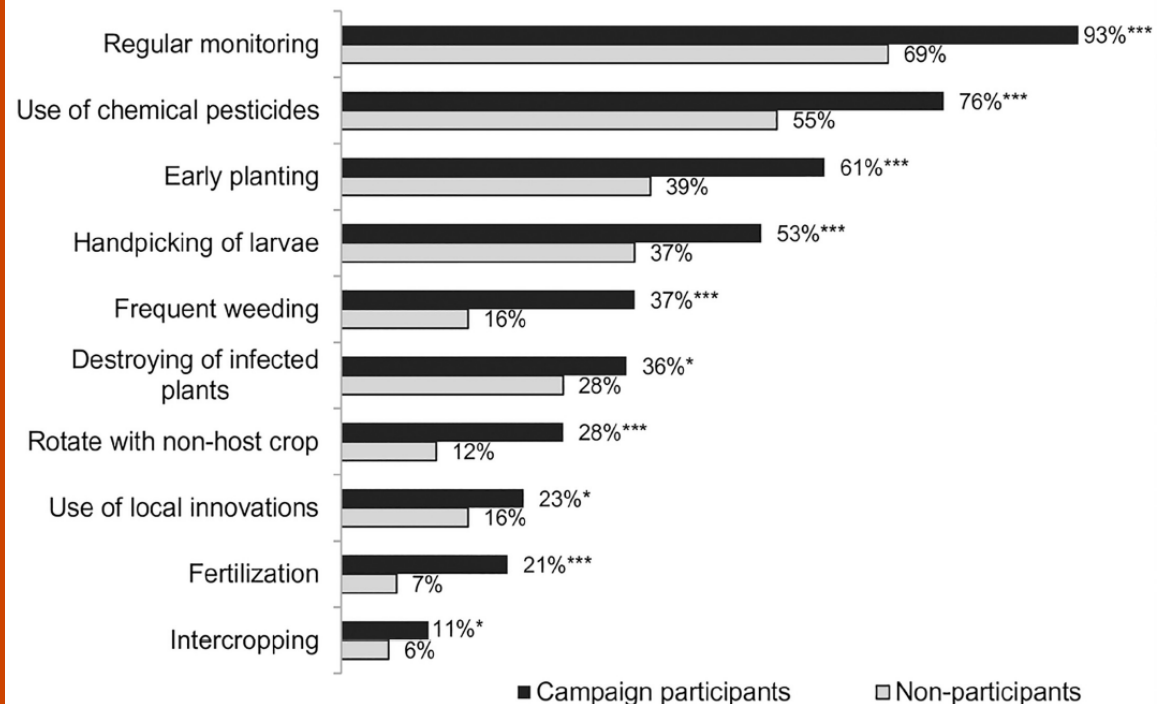
10,000 received SMS

320,010 heard radio shows

20% improvement in knowledge

54% increase in nos. of practices

Additive effect of different channels –



New technology and GAP - New seed varieties in Tanzania



In practice



Upscaling Technologies in Agriculture through Knowledge Extension (UPTAKE)

Input partners: seed companies;

Knowledge partners: national research stations; AGRA

Delivery partners Esoko, Farm Radio International and radio stations.

Esoko sent SMS to **> 40,000** farmers;
Radio stations reached **> 180,000**

Seed companies attributed **increased sales** to SMS; farmers used **productivity enhancing practices**

New technology and GAP soybean production in Ghana

Video screenings, Video on facebook, radio talk shows



In practice



Gender and the Legume Alliance (GALA)

Input partner Green-Ef (wholesaler);
Knowledge partners SARI, SIL, IITA;;
Delivery partners; Countrywise communications; Green-Ef; govt. extension

70,000 attended screenings

40,000 viewed video on Facebook

Radio talk shows

75% of agrodealers reported increased interest in inoculum

GAP - FAW and pesticide use in Kenya

Videos—Whatsapp-face to face

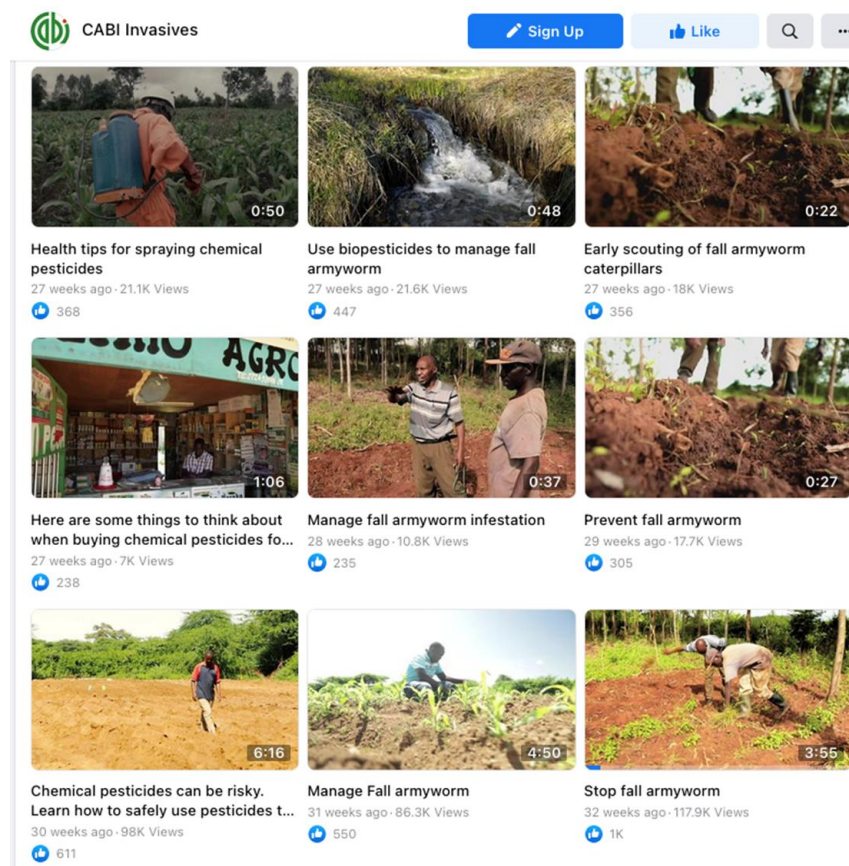


In practice

117,000 Facebook (32% women, most 24-35 yrs)

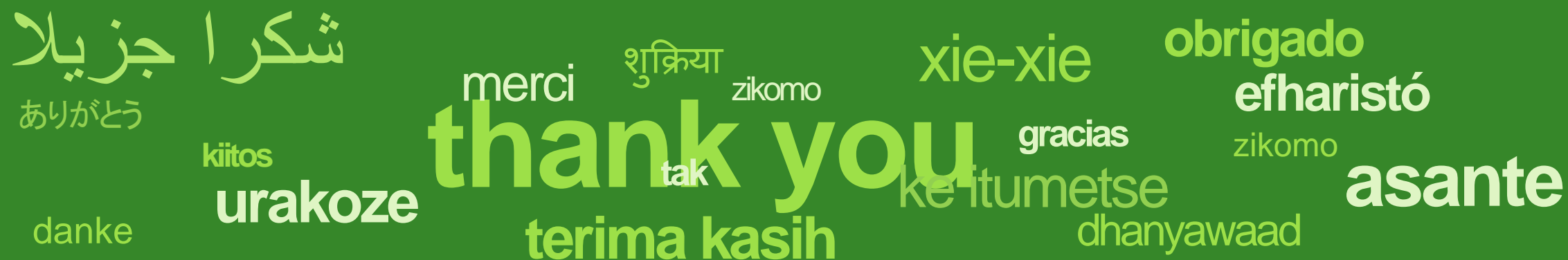
14,355 Knowledge sessions with CGA lead farmers receiving video by whatsapp

CGA = Cereal Growers Association



Source material

- Tambo et al. The impact of ICT-enabled extension campaign on farmers' knowledge and management of fall armyworm in Uganda
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0220844#:~:text=Our%20findings%20imply%20that%20complementary,invasive%20pest%2C%20such%20as%20FAW.>
- Gakuo and Karanja – working with maize seed companies
<http://www.fao.org/3/i9191en/I9191EN.pdf>
- Kenya Advisory, RCT <https://site.plantwise.org/wp-content/uploads/sites/4/2019/03/Pw-Impact-Brief.pdf>
- CABI FAW and pesticide use Blog: <https://blog.invasive-species.org/2021/04/28/development-communication-campaign-promotes-sustainable-management-of-fall-armyworm-in-kenya/>
- Videos: <https://www.facebook.com/pg/CABI.Invasives/videos/>
- Tambo et al. 2021 Can plant clinics enhance judicious use of pesticides? Evidence from Rwanda and Zambia
<https://www.sciencedirect.com/science/article/pii/S0306919221000506>
- CASA program <https://www.casaprogramme.com/about/>



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Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Agency for Development
and Cooperation SDC

Questions and Answers

Dr Dannie Romney

**Global Director, Development,
Communication and Extension,
CABI**

**Please use the Q & A Box to ask
questions to our speakers**



Summary:



Social networks can be powerful ways of communicating information and changing behaviour

People will learn more from others who are similar to them

Communicators/disseminators need to understand and model behaviour change in the community they are working in

Gender-responsive approaches need to be considered

Language, gender, age, educational levels, household type all need to be considered when designing communications – understand your context when designing communications

Think of incentives to build into your communications to encourage farmer interest – but make them incentives of interest!

Hybrid communication approaches can reach out to different learning styles and farmers at the same time and/or reinforce messages

Consider reinforcing messages at points in the future

ASEAN Action Plan on FAW Farmer Communication Workshop Series

A four-part series to catalyse action on the development and design of more effective farmer communications on IPM and FAW control.

Session 1: Behaviour

Completed

Session 2: Case studies of Farmer Communication

Completed

Session 3: The Behaviour of Pesticide Purchasing and Use

Tuesday 7 September 2021

Session 4: Guidance for Communication – Top Tips for Effective Farmer Outreach

Tuesday 23 November

Register at: <https://www.aseanfawaction.org/events>

Case-Studies: We want your case-studies and examples – contact us at faw@growasia.org



CLOSE

EFFECTIVE FARMER COMMUNICATION: A critical component of achieving IPM

Part 1: Communication Channels



27 July 2021

