- Objective 4.
- 4.1 Involve farmers and other stakeholders in the research to develop improved weed management practices in cassava and
- 4.2 Empower extension services, primarily the ADPs but also NGOs, agro-dealers, and spray service providers, to provide farmers with the knowledge they need to improve weed management practices.

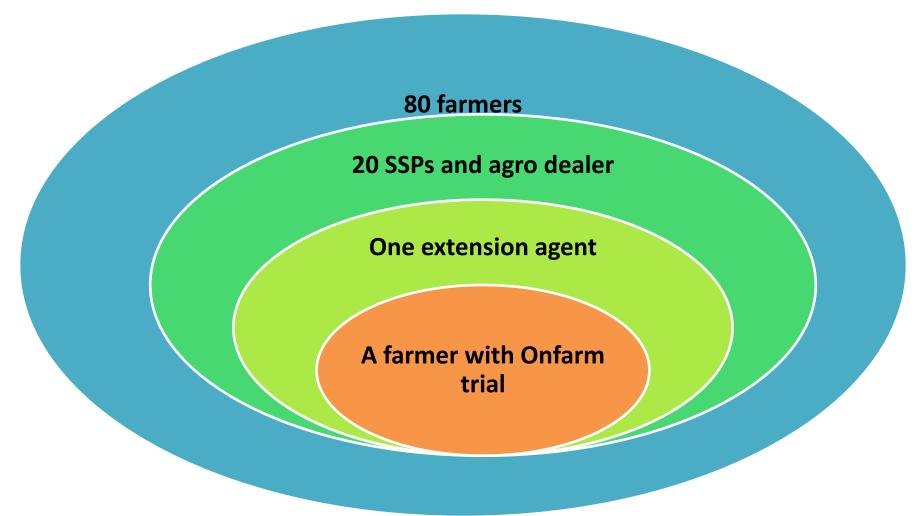


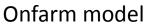
By

Godwin Atser, Mary Agada, Moses Okwusi, Grace Sokoya and Toye Ayankanmi





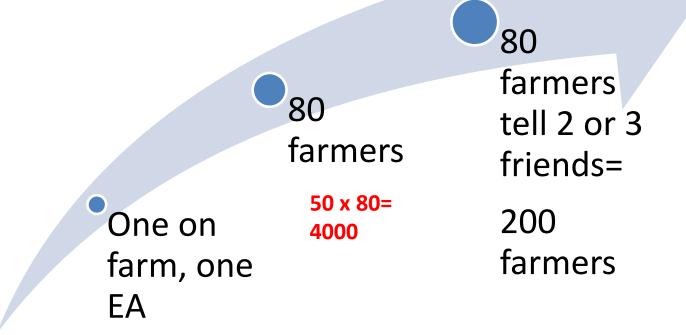








Projected reach per site on onfarm trials in 2016



50 sites X 200 farmers = 10,000 farmers

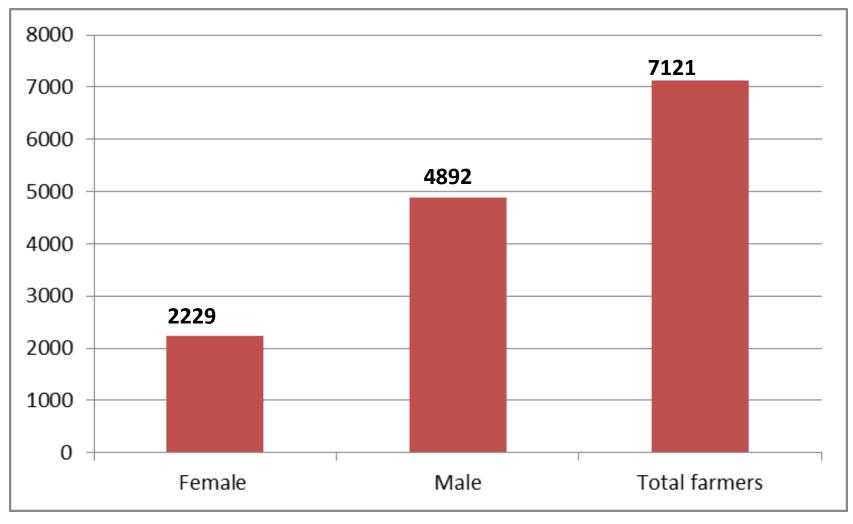




PLATFORMS	TOTAL PERSONS REACHED
Flickr	193
LinkedIn	1565
Facebook	1805
Twitter	84601
Pinterest	5725
Slideshare	8103
Website	1851
Whatsapp	256
Newspapers – (Journalists)	208
YouTube	760
Cassava matters newsletter	3005
Total	108072
Total farmers reached through onfarm and field	7121
activities	
Grand total	115193



Farmers reached through onfarm field activities by sex in 2016





Sites Selection



Bende











Community Entrance

Village head of Irawo



Opinion Leader in Agunrege







Visit to the palace of HRH Eze Valentine C. Ohunta, Traditional Ruler of Umuokeigbo Umuigu Autonomous Community in Ikwuano LGA

Community Entrance



Visit to the Palace of HRH Eze Ogo Agwu Uka Traditional ruler of Ndiememe Abam Autonomous Community in Arochuchwu LGA





Kickoff of activities

Kickoff at Ariam

Kickoff at Ugwueke





Implementing partners

Cassava Weed Management Project





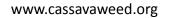


Spray Service Providers

Apir Youths

Mbagwaza









Spray Service Providers

Mbayom





www.cassavaweed.org

Mu 🔇



Bayer supported training

Training of extension service providers

IITA Ibadan

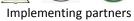






Oke-Ipin onfarm trial site





Weed control in cassava maize intercrop: Treated vs Untreated at Iporin



Untreated

Treated







Farmer field days





Agunrege







Team building and continuous meeting with extension service providers

NRCRI Abia



Abia





Deepening of public/ private sector engagement with Syngenta and Monsanto



Syngenta

Monsanto





WCRTC National Cassava Summit Africa RISING Weed Society of Nigeria etc



CWMP with Oyo Commissioner for Agric on TV talking weed science and food security

The Minister of Agriculture and Rural Development, Chief Audu Ogbe (Left) being briefed on Cassava Weed Management Project





Farmers' evaluation of field trials



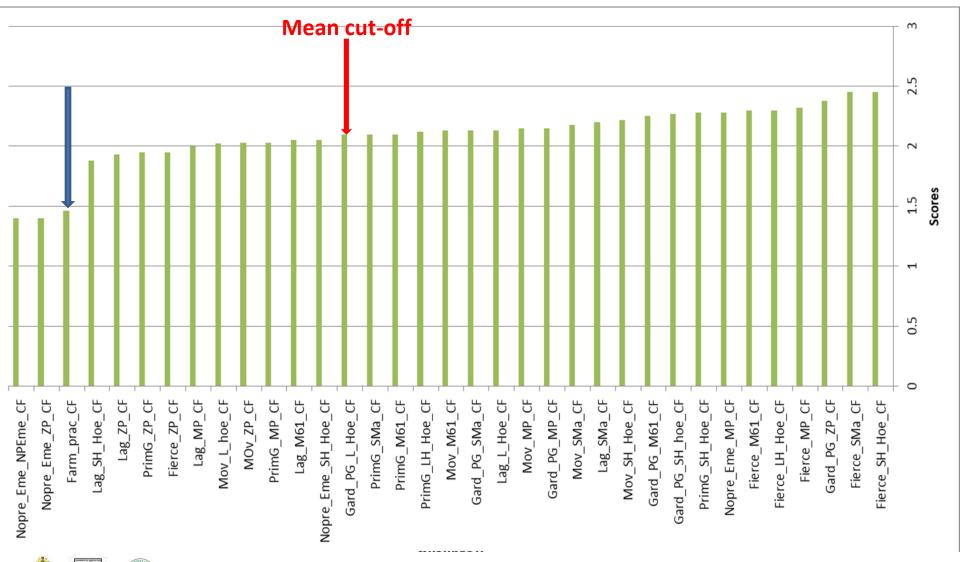
Iporin

Idi-Ata





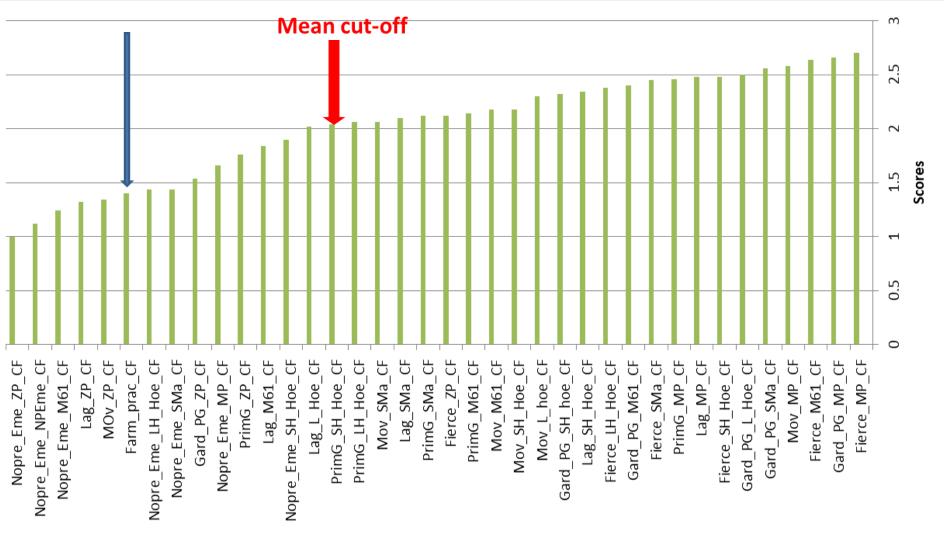
Abia: Cassava-Maize- Cleanliness of field



Implementing partners



Benue: Cassava-maize- Cleanliness of field

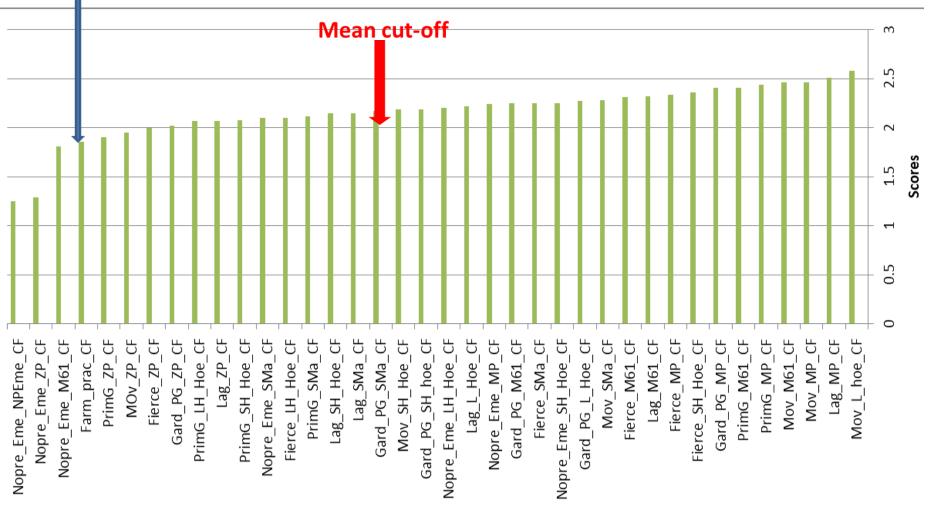








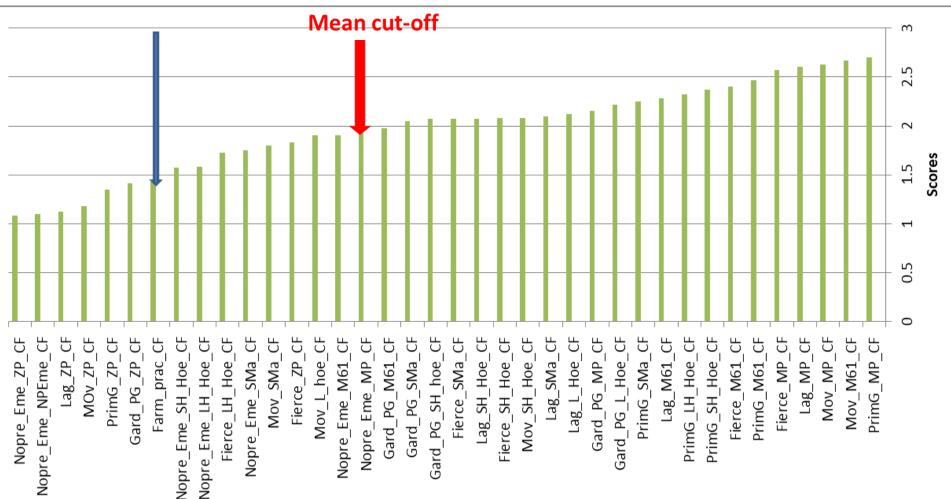
Ogun: Cassava-Maize- Cleanliness of field







Oyo Cassava-Maize- Cleanliness of field

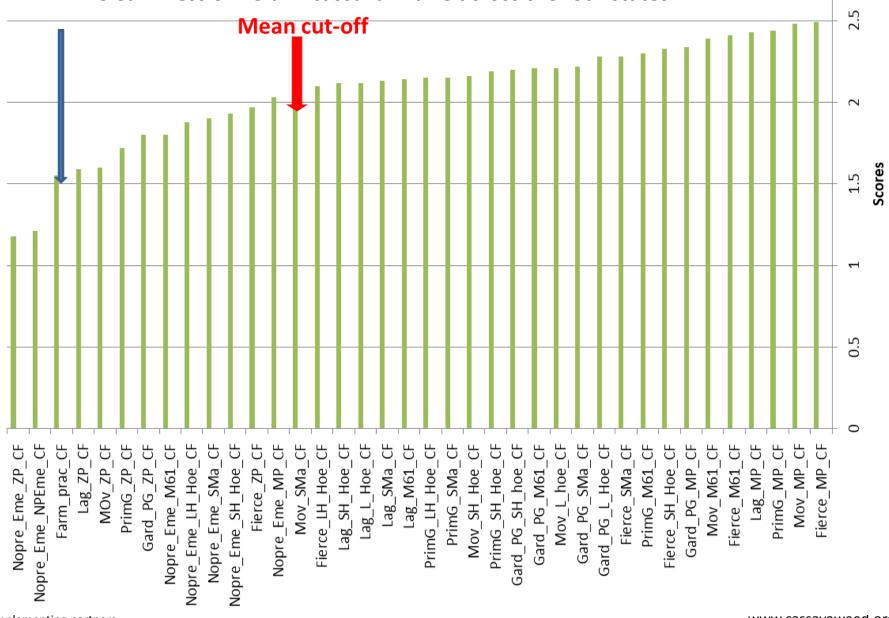




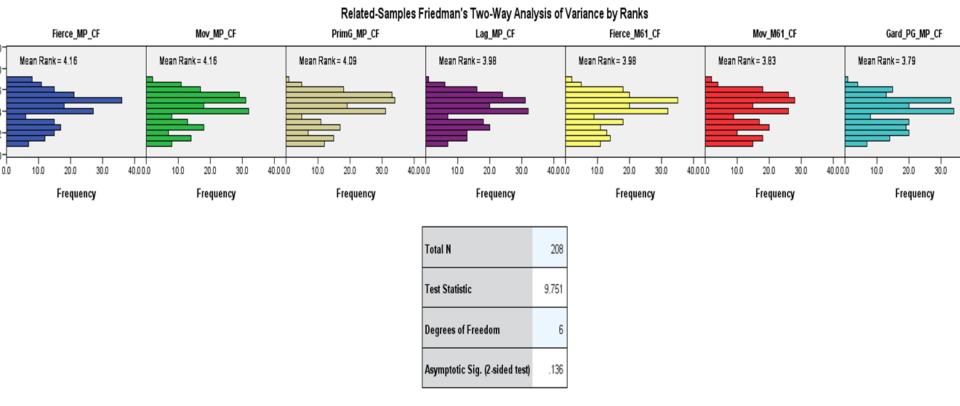
Treatment



Cleanliness of field in cassava-maize across the four states





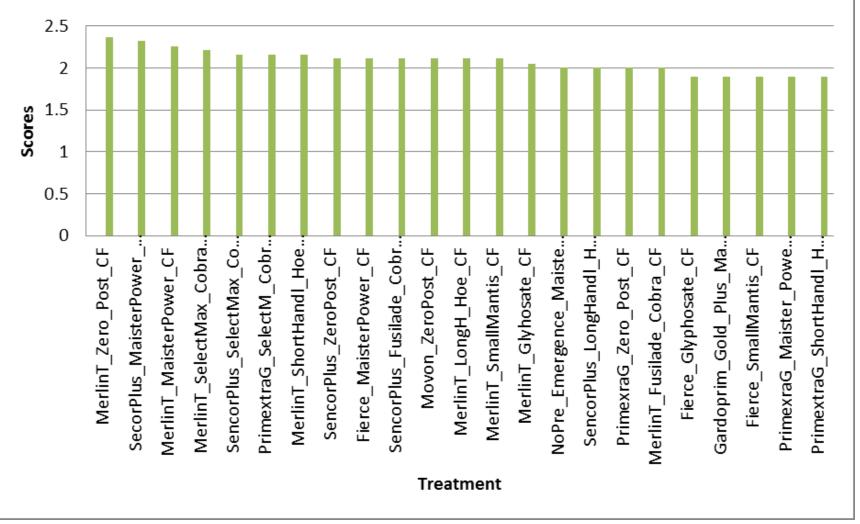


1. Multiple comparisons are not performed because the overall test retained the null hypothesis of no differences.





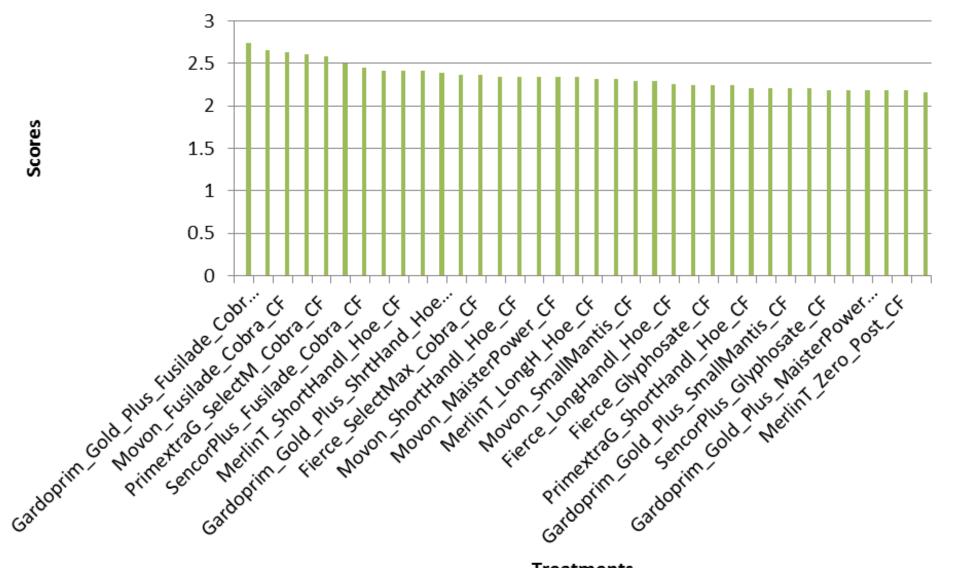
Abia: Cleanliness of field in casava mono







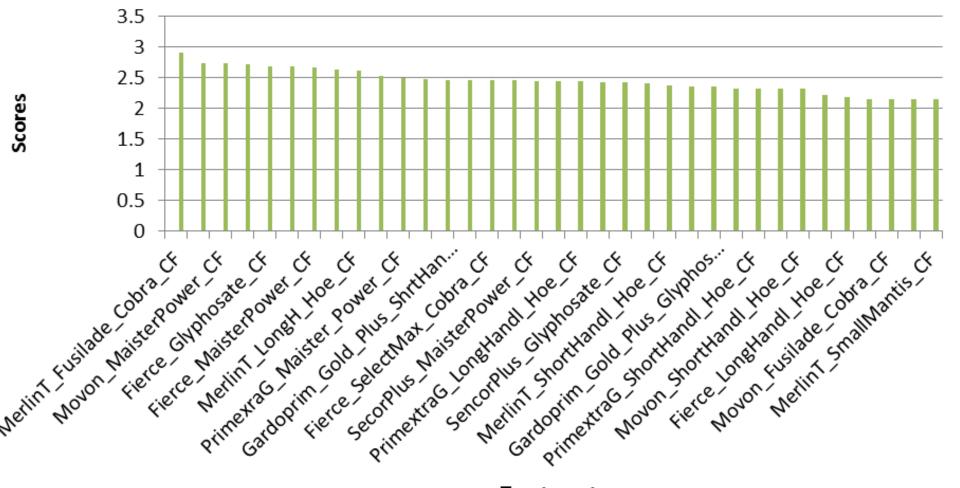
Benue: Cleanliness of field in cassava mono



Treatments



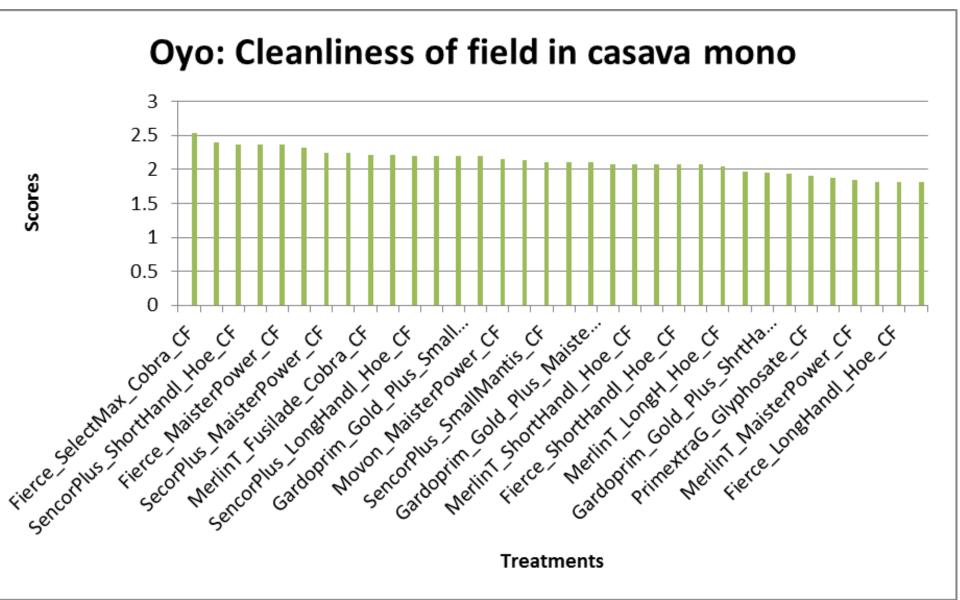
Ogun: Cleanliness of field in cassava mono



Treatments

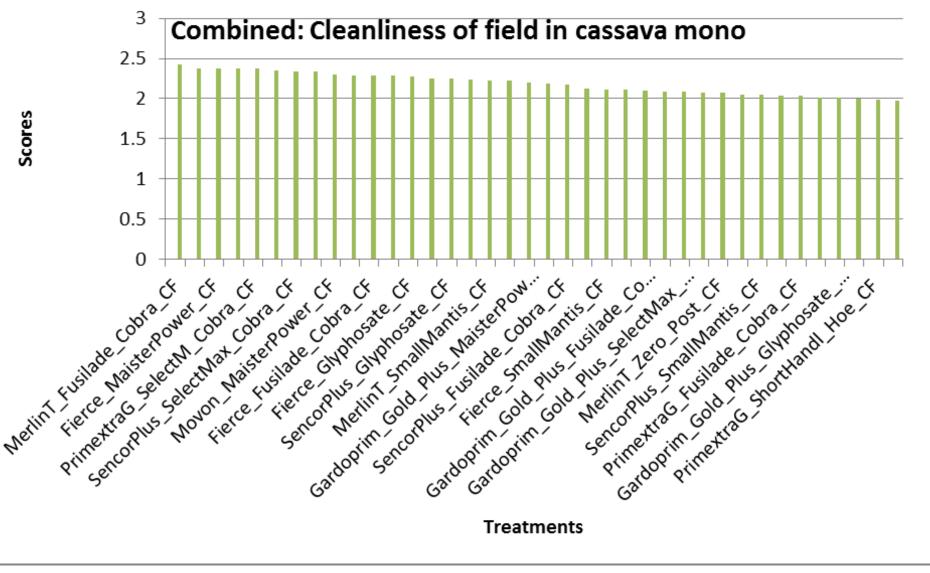






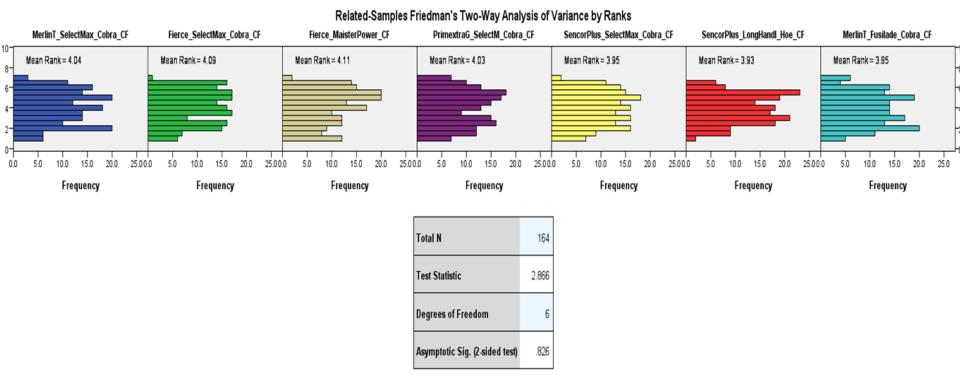












1. Multiple comparisons are not performed because the overall test retained the null hypothesis of no differences.





Table 8 h: Farmers distribution based on use of preemergence herbicides

Preemergence

State		Frequency	Percent
	No	133	84.2
	Yes	25	15.8
Abia	Total	158	100.0
	NR	22	
Total		180	
	No	131	64.2
	Yes	73	35.8
Benue	Total	204	100.0
	NR	6	
Total		210	
	No	35	27.6
	Yes	92	72.4
Ogun	Total	127	100.0
	NR	82	
Total		209	
	No	23	9.0
	Yes	233	91.0
Оуо	Total	256	100.0
	NR	14	
Total		270	



NR: No Response



Table 8 i: Farmers distribution based on use of postemergence herbicides

Postemergence

State			Frequency	Percent
	_	No	132	85.2
		Yes	23	14.8
Abia		Total	155	100.0
		NR	25	
	Total		180	
		No	54	26.2
		Yes	152	73.8
Benue		Total	206	100.0
		NR	4	
Total	Total		210	
Ogun		No	38	29.9
		Yes	89	70.1
		Total	127	100.0
		NR	82	
Total			209	
Оуо		No	43	17.2
		Yes	207	82.8
		Total	250	100.0
		NR	20	
	Total		270	



NR: No Response







Agrodealer shops in Benue



Gang sprayers in Oyo



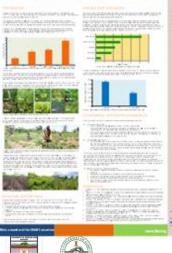


IITA **Cassava Weed Management Project**

Facts about weeds and cassava in Nigeria

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Implementing partners

IITA AWARD 2016



Reaching farmers with weed management technologies: Approaches that work



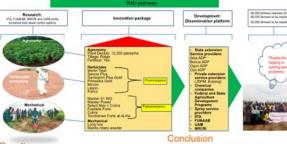


Introduction

Weeds are major constraints to cassava productivity, contributing to 50-90% in yield losses (Chikoye et al., 2004). In Nigeria and elsewhere in Africa, yields of cassava have been hamstrung to a low of 12-13 tons per ha as opposed to more than 20 tons being obtained in Asia. Besides undermining yields, weed control takes 50–80 percent of labor budget, and women account for about 90 percent of hand and hoe weeding labor. In some cases, children are withdrawn from school to support weeding. One way to control weeds and reduce the drudgery associated with manual weeding is the use of integrated weed management which includes the application of safe and environmentally friendly herbicides that have proven to be more efficient and cost effective than hand and hoe weeding.

Materials and methods

The IITA-Cassava Weed Management Project screened 22 pre- and 19 post-emergence herbicides in 2014 for effectiveness in weed control in cassava. Seven pre- and 6 post-emergence herbicides were finally selected for on-farm demonstration in 2016. The agronomy of cassava was also examined with respect to tillage cassava variety, plant population, fertilization and intercrop. The Project also screened several mechanical weeding equipment and selected a motorized weeder, and long handle hoe. The best options from the herbicide, agronomy and mechanical weeding tools have been put into an integrated package that is being tested on 50 sites in four states in Nigeria (Ekeleme et al., 2016).



Results

Across the 50 sites, four thousand farmers are mobilized to visit the sites and gain knowledge on weed control. Also in each of the 50 sites, spray service providers are being formed in groups of 20 each. Each of those SSPs will reach 50 farmers per year with improved weed management control. This approach depends less on traditional extension system and is less expensive as the SSPs are eager to use the knowledge gained to solve the weed problems in their communities and also make money. Through this model, the Cassava Weed Management Project will reach 150,000 farmers in the next three years thereby exceeding the target of 125,000 set by the project document.

IITA is a member of the CGIAR System Organization

Dissemination pathway for 2016



The use of multi-partners such as the spray service providers to complement traditional extension system is a game changer that should be explored by projects for sustainable out scaling. This is because of their ability to reach a large number of farmers at lower cost. References

Sustainable Wood Management Technologies for Casawa Systems in Nigeria: A proposal submitted to the Bill and Meinda Gates Foundation on August 2013. Chilogie, D., Schulz, S. and Eksteine, F. 2004. Evaluation of integrated weet management practices for mage in the northern Guines assume of of integrated wave management practices for market in the northwest Games assess Negretic Corp Protection, 23, pp 856–900. Interne, F., Hazane, S., Alane, O., Dicon, A., Welke, S., Olovannalys, P., Liuman, H., Disigles, A., Dahway, D. (2014) Weide Management in canasive in Adviso. Chalae and opportunities. Oxfoolis on Pract Management, 27(5), pp 208–212.



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Acknowledgement

