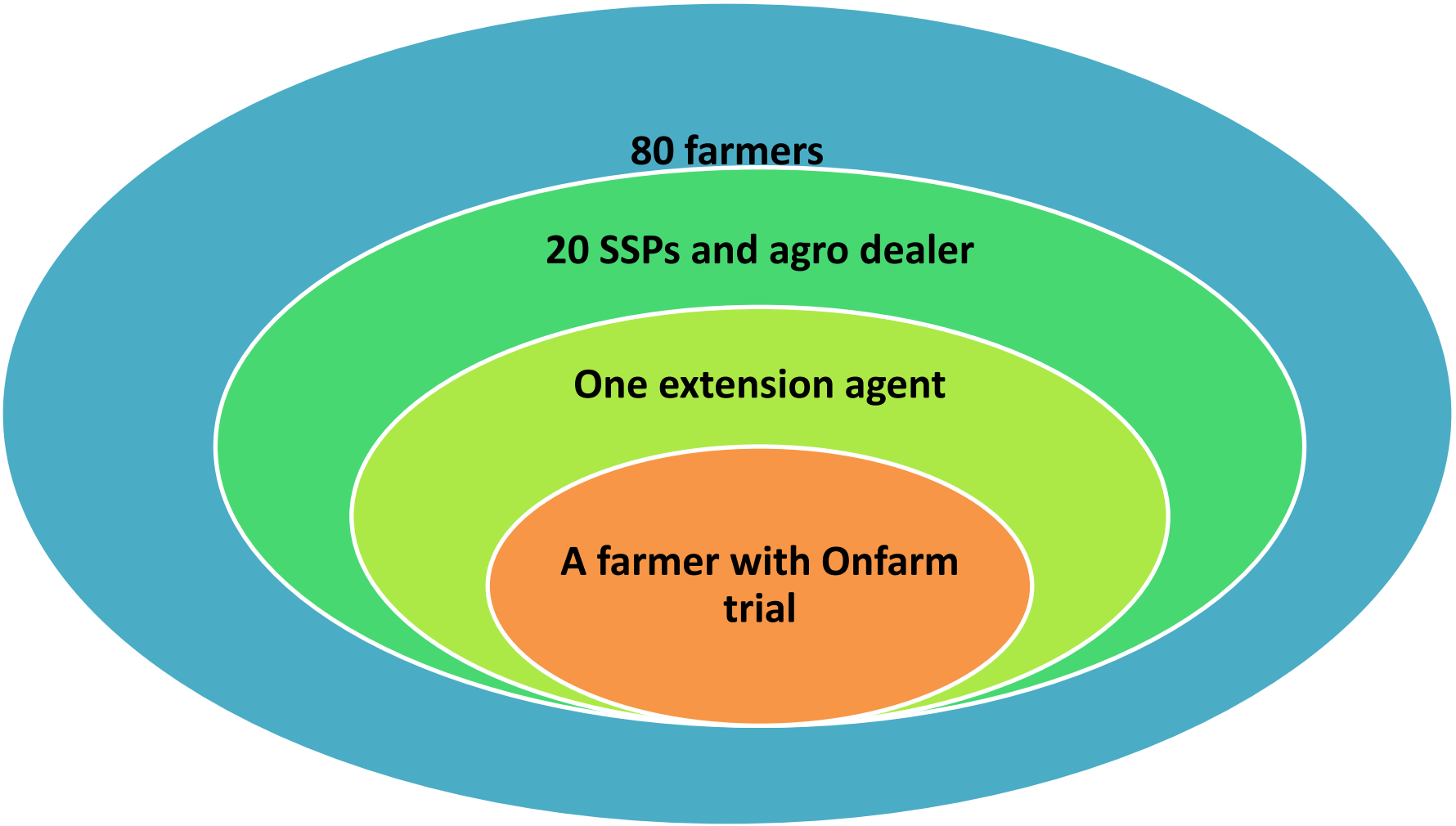
Cassava Weed Management Project

- **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

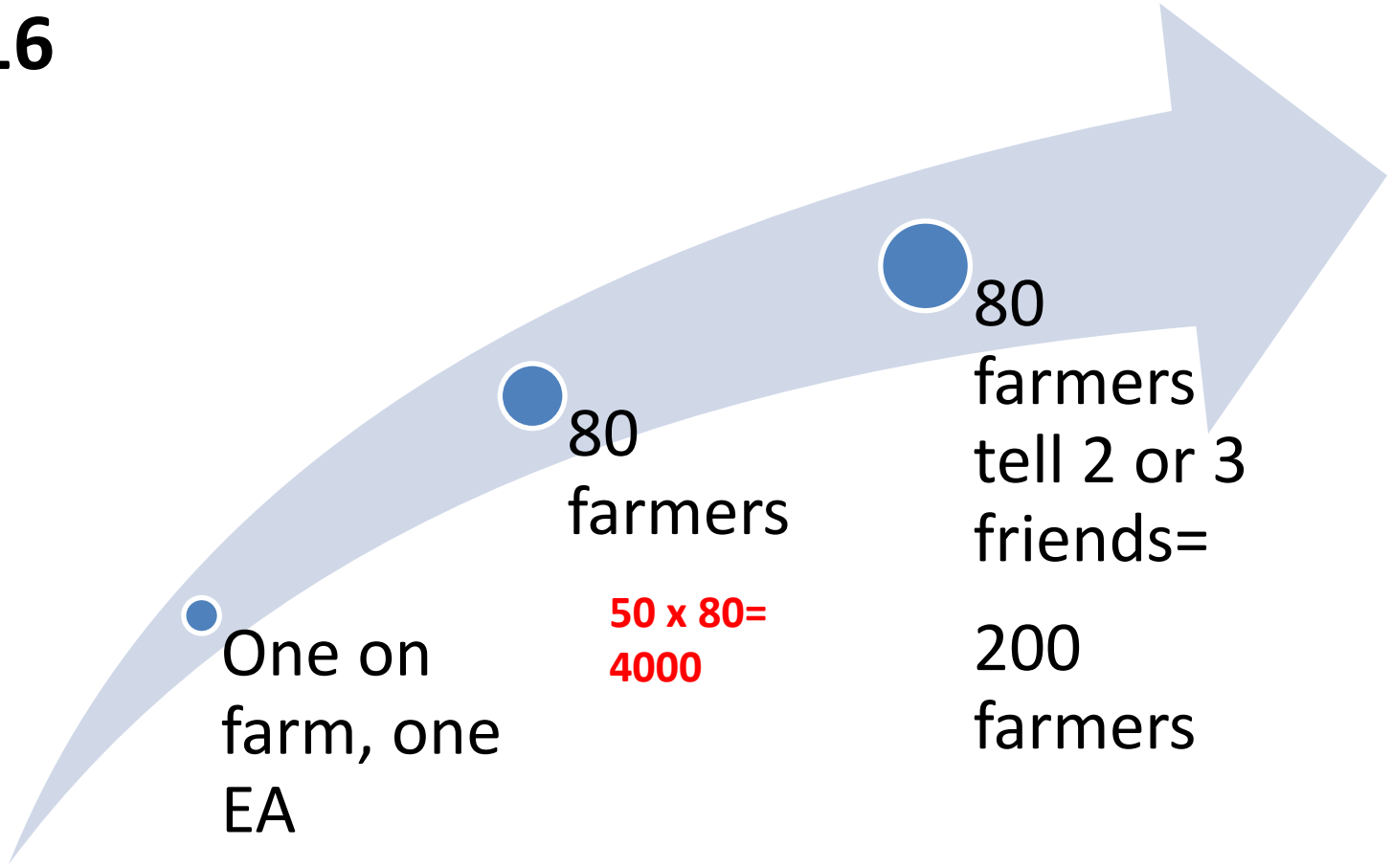
Godwin Atser, Mary Agada, Moses Okwusi, Grace Sokoya and Toye Ayankanmi

Cassava Weed Management Project



Onfarm model

Projected reach per site on onfarm trials in 2016

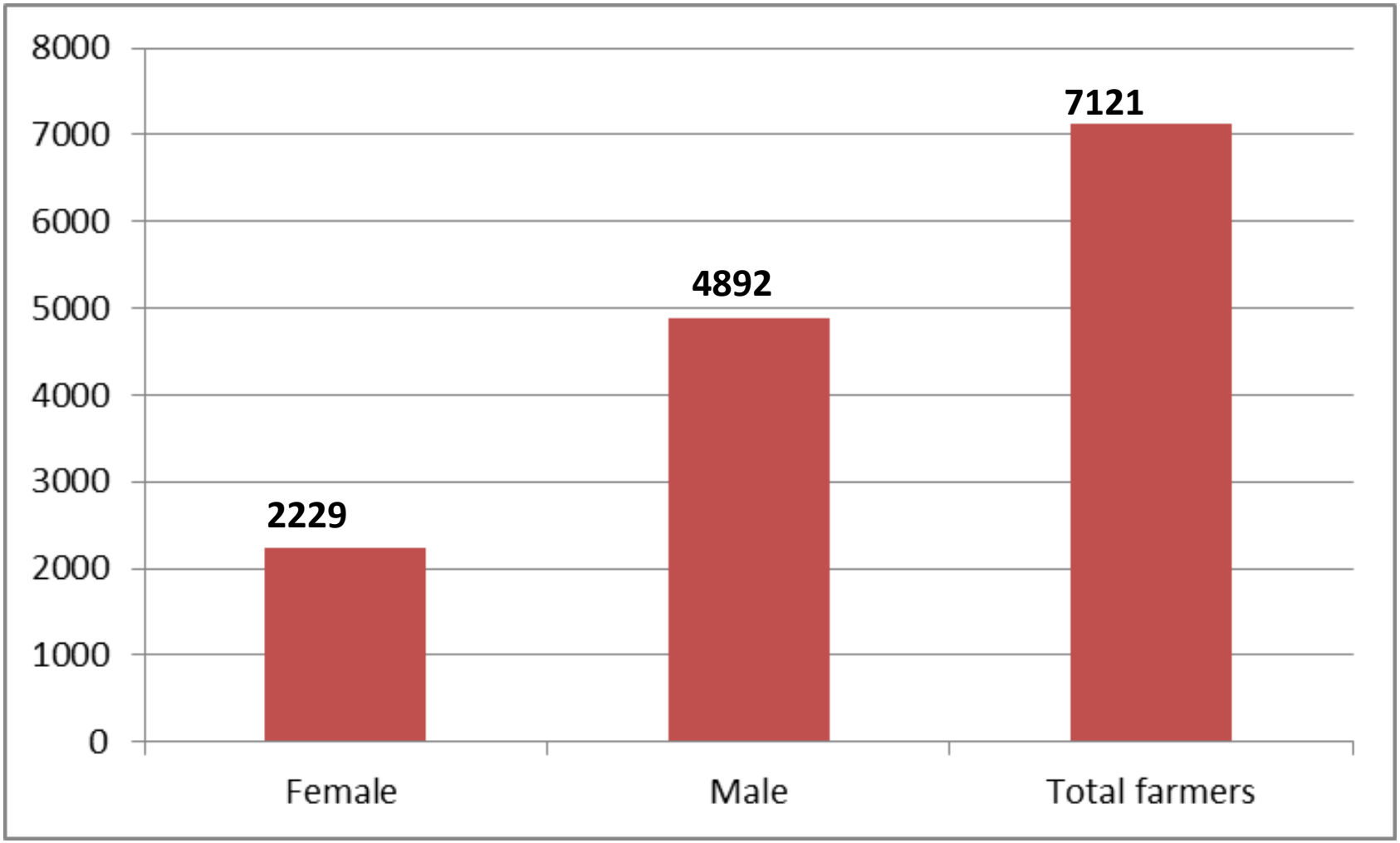


50 sites X 200 farmers = 10,000 farmers

Cassava Weed Management Project

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 activities	**7121**
Grand total	**115193**

Farmers reached through onfarm field activities by sex in 2016



Sites Selection

Bende

Isuikwuato

Cassava Weed Management Project

Community Entrance

Village head of Irawo

Opinion Leader in Agunrege

Community Entrance

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

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

Farmer participation is key

Ozu abam

Ndiememe

Cassava Weed Management Project

Spray Service Providers

Apir Youths

Mbagwaza

Cassava Weed Management Project

Spray Service Providers

Mbayom

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

Cassava Weed Management Project

Farmer field days

Umuigu

Agunrege

Team building and continuous meeting with extension service providers

Abia

NRCRI Abia

Deepening of public/ private sector engagement with Syngenta and Monsanto

Syngenta

Monsanto

Cassava Weed Management Project

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

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

Implementing partners

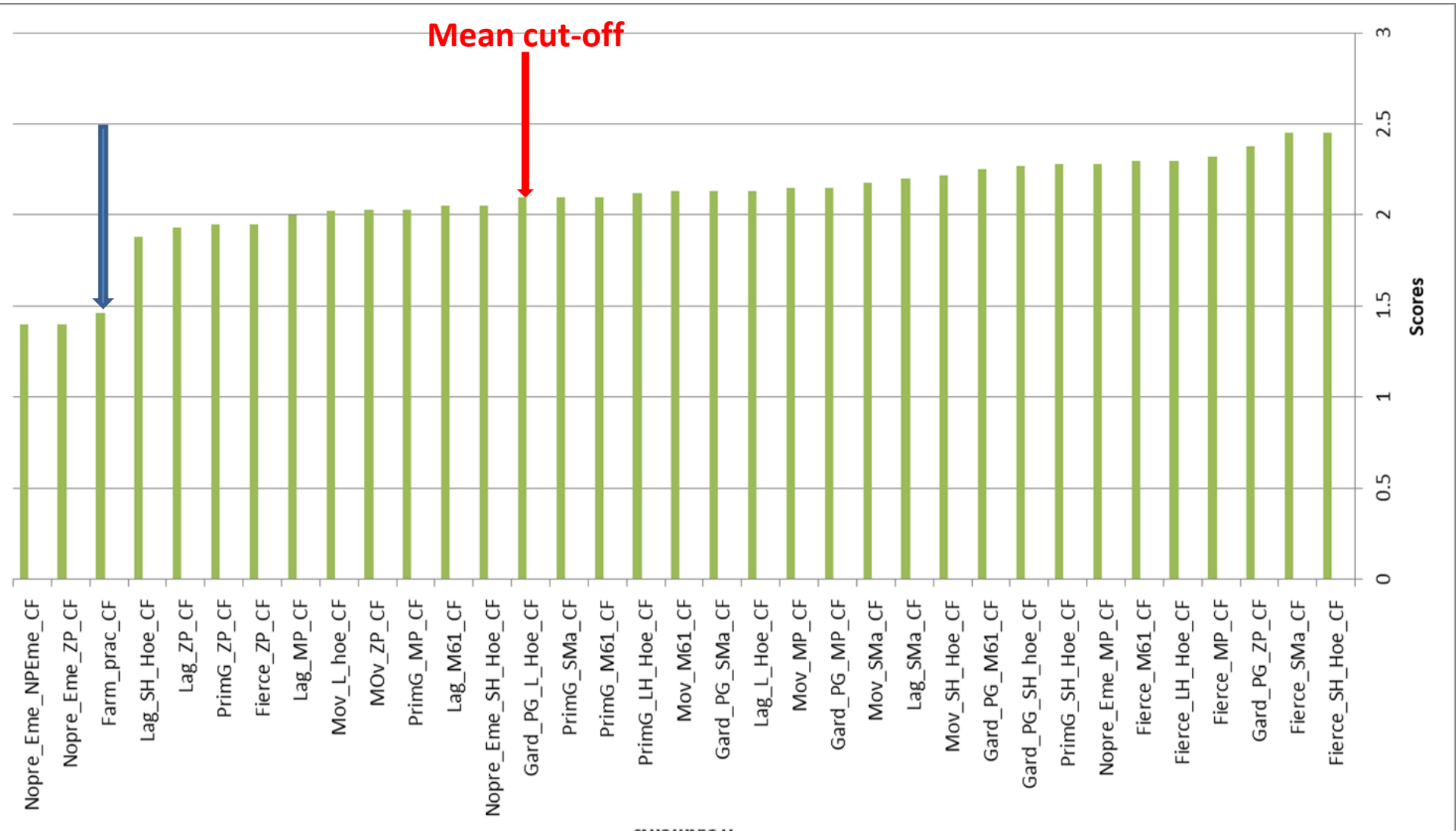
www.cassavaweed.org

Farmers' evaluation of field trials

Idi-Ata

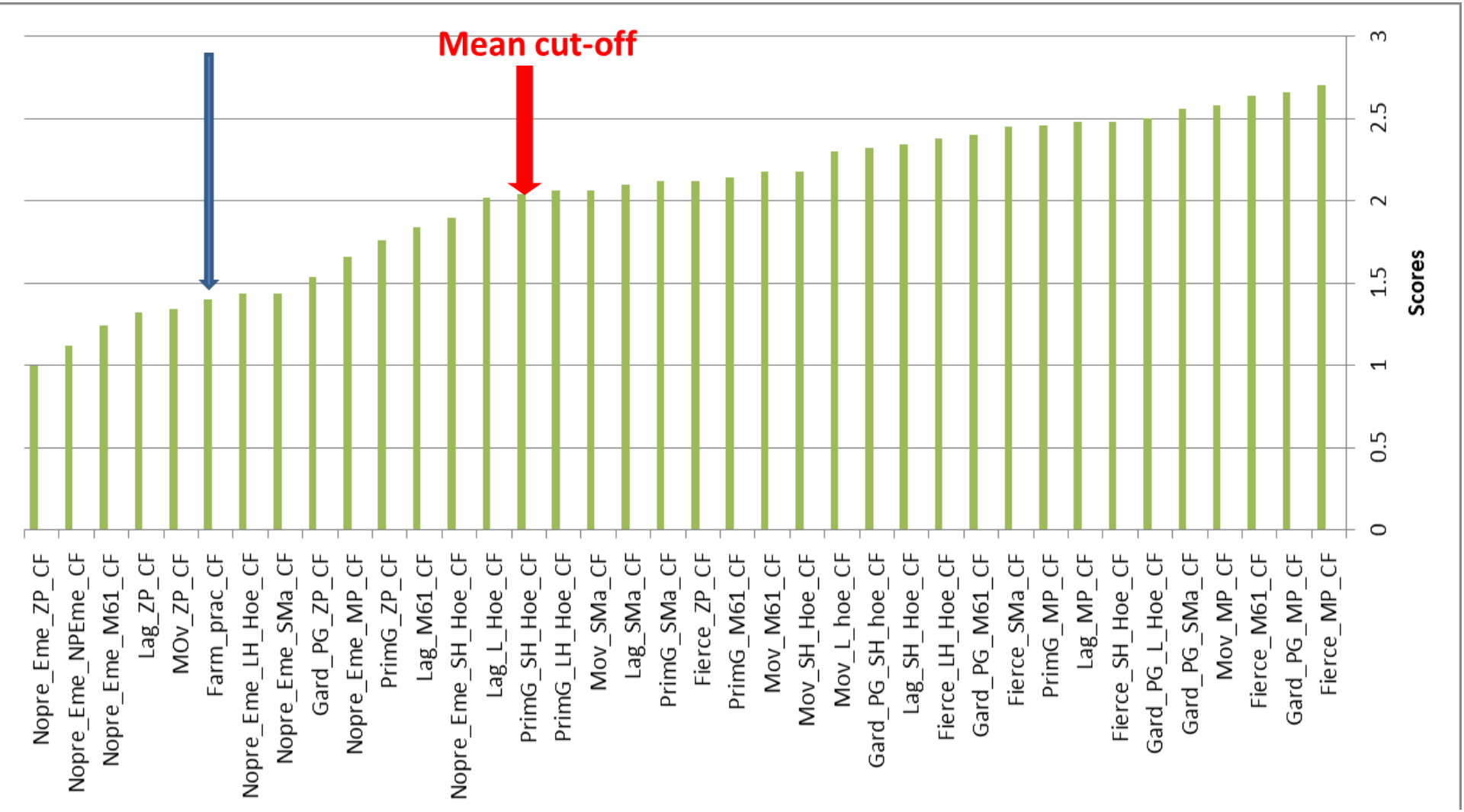
Iporin

Abia: Cassava-Maize– Cleanliness of field



Treatments

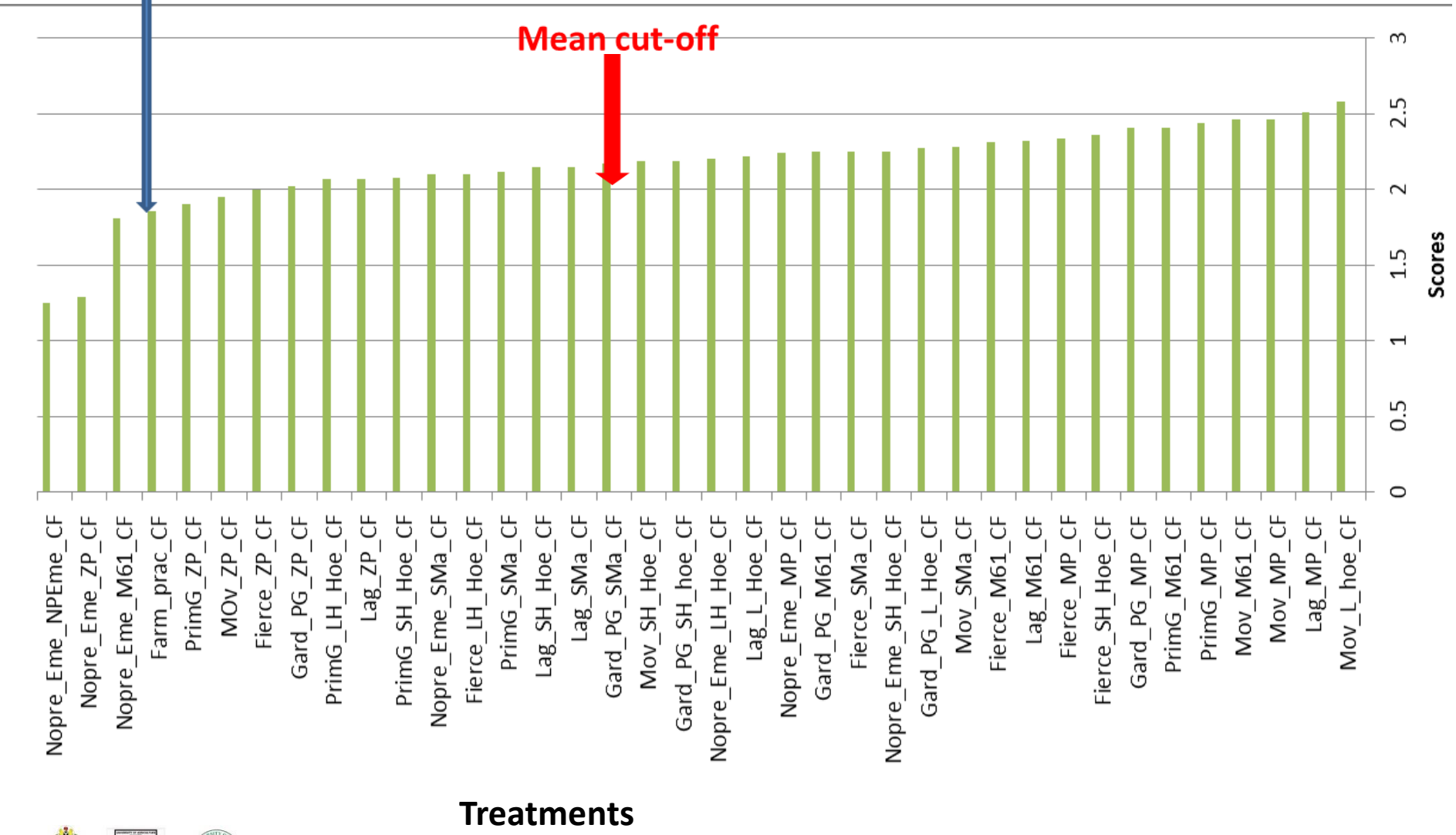
Benue: Cassava-maize– Cleanliness of field



Treatments

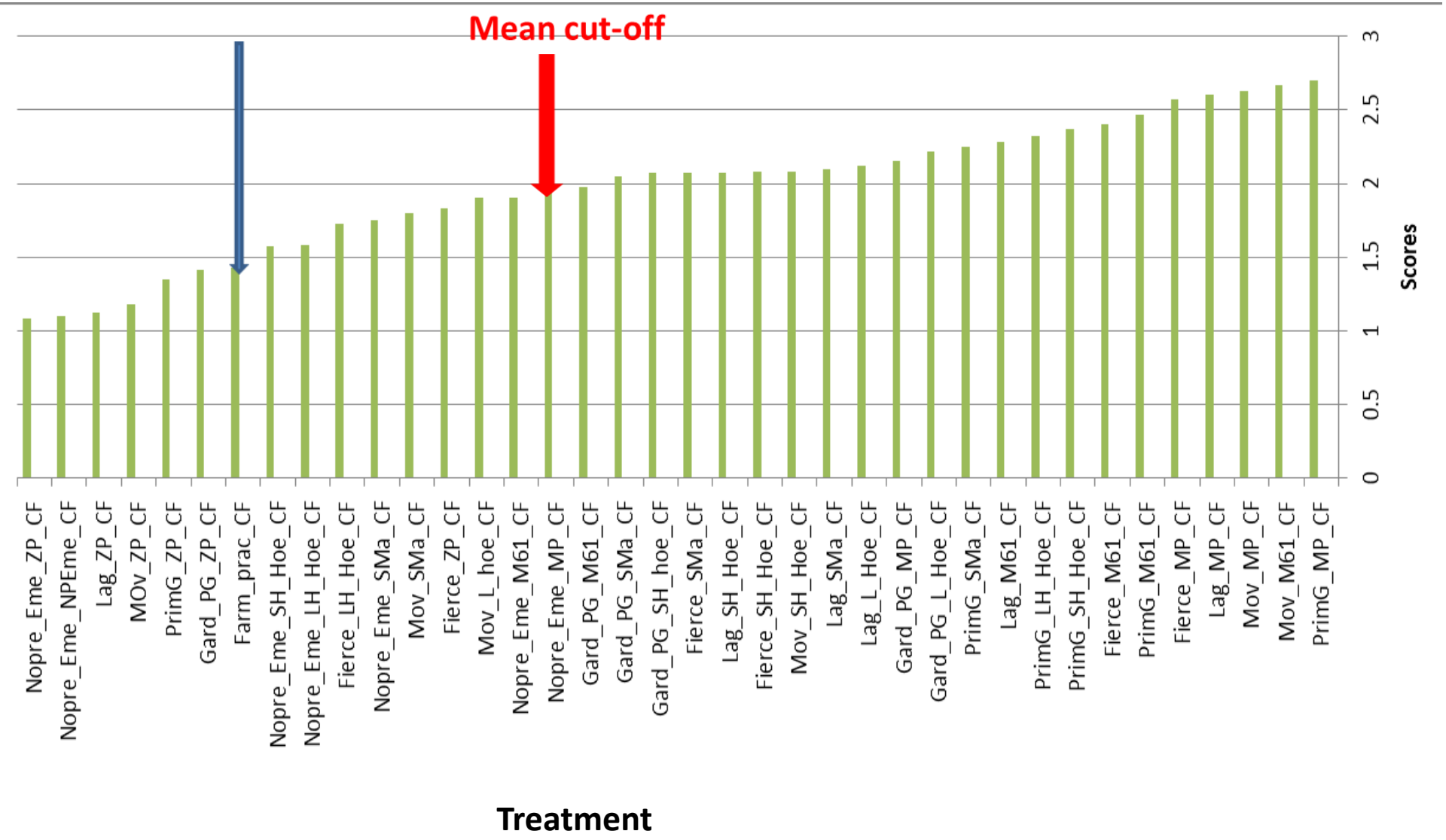
Cassava Weed Management Project

Ogun: Cassava-Maize- Cleanliness of field



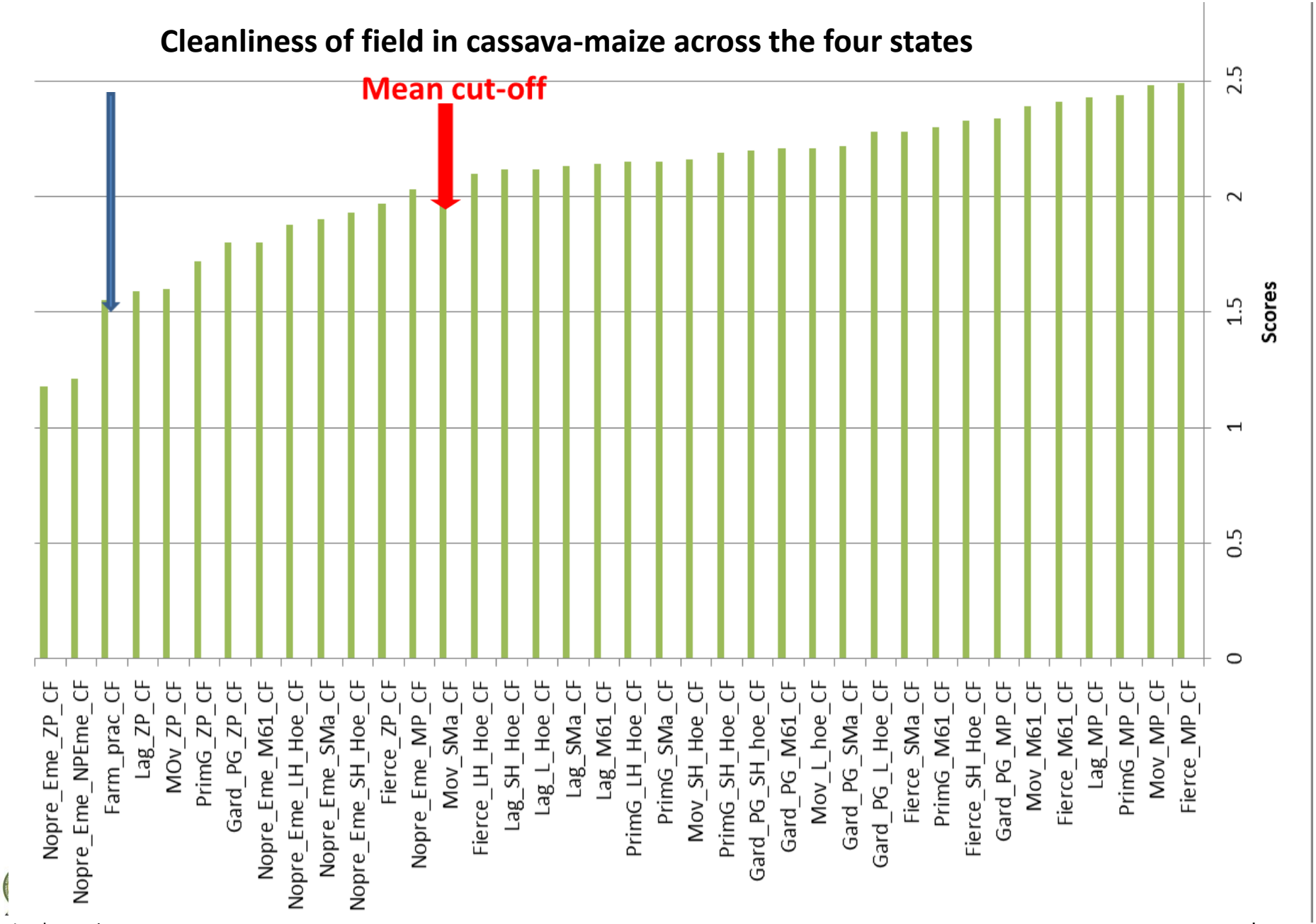
Treatments

Oyo Cassava-Maize- Cleanliness of field

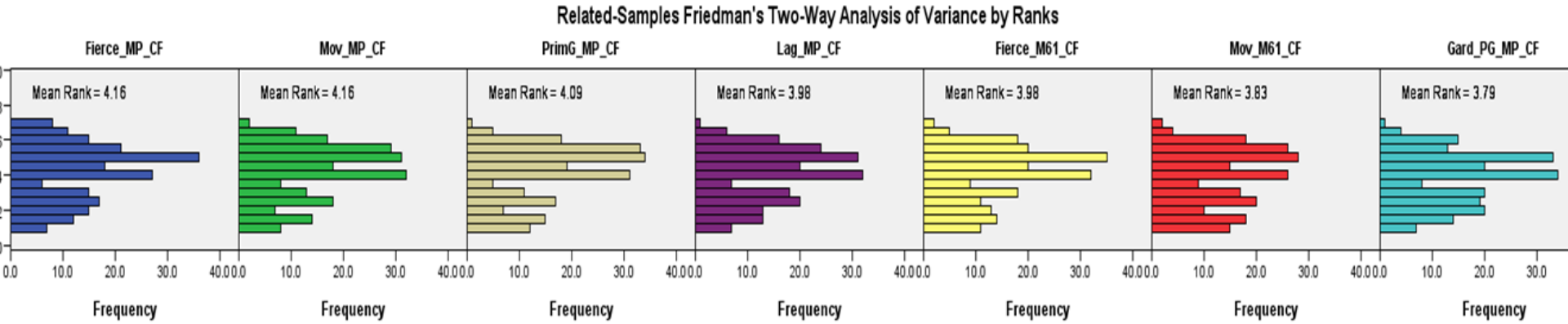


Treatment

Cassava Weed Management Project

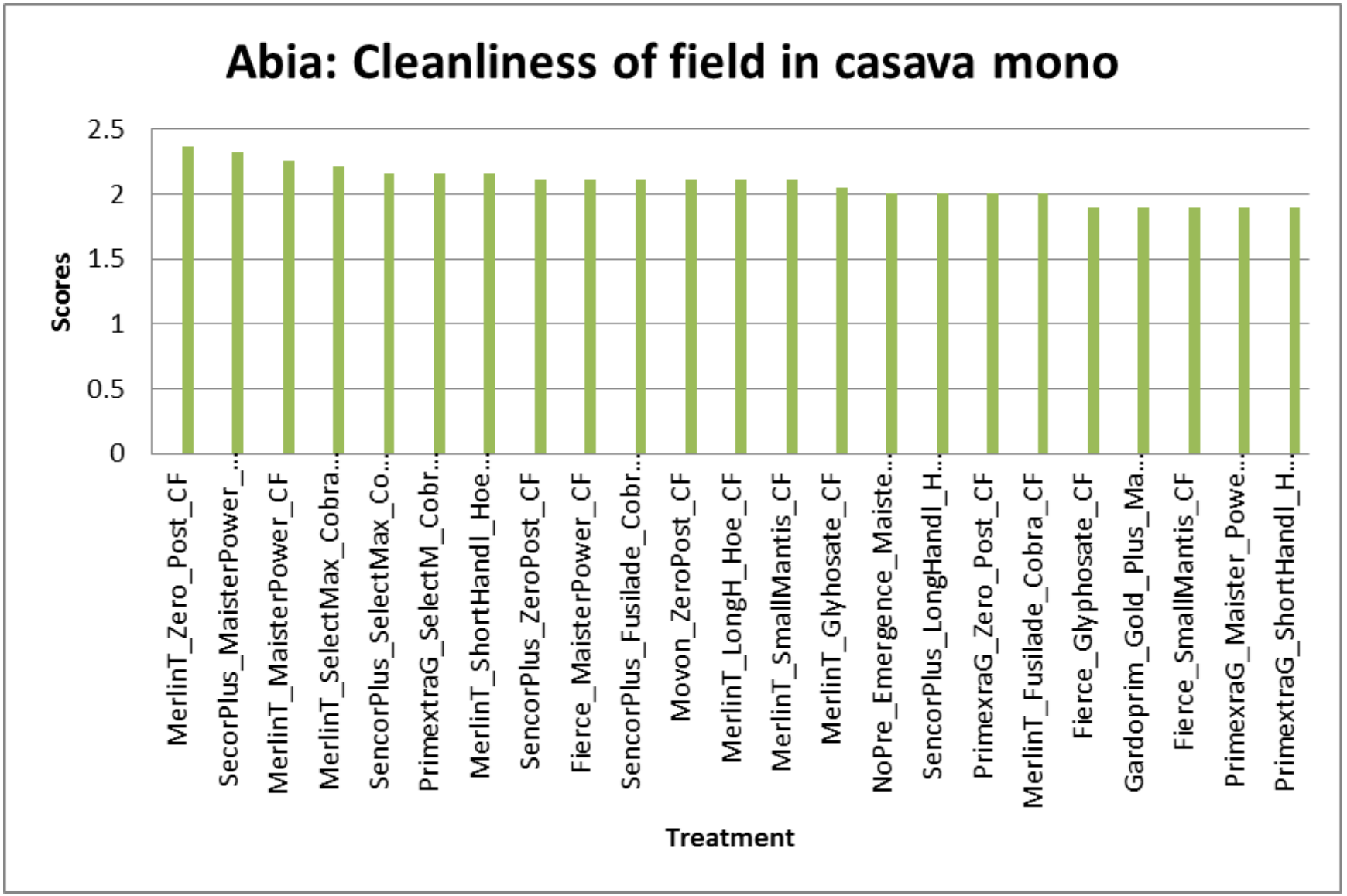


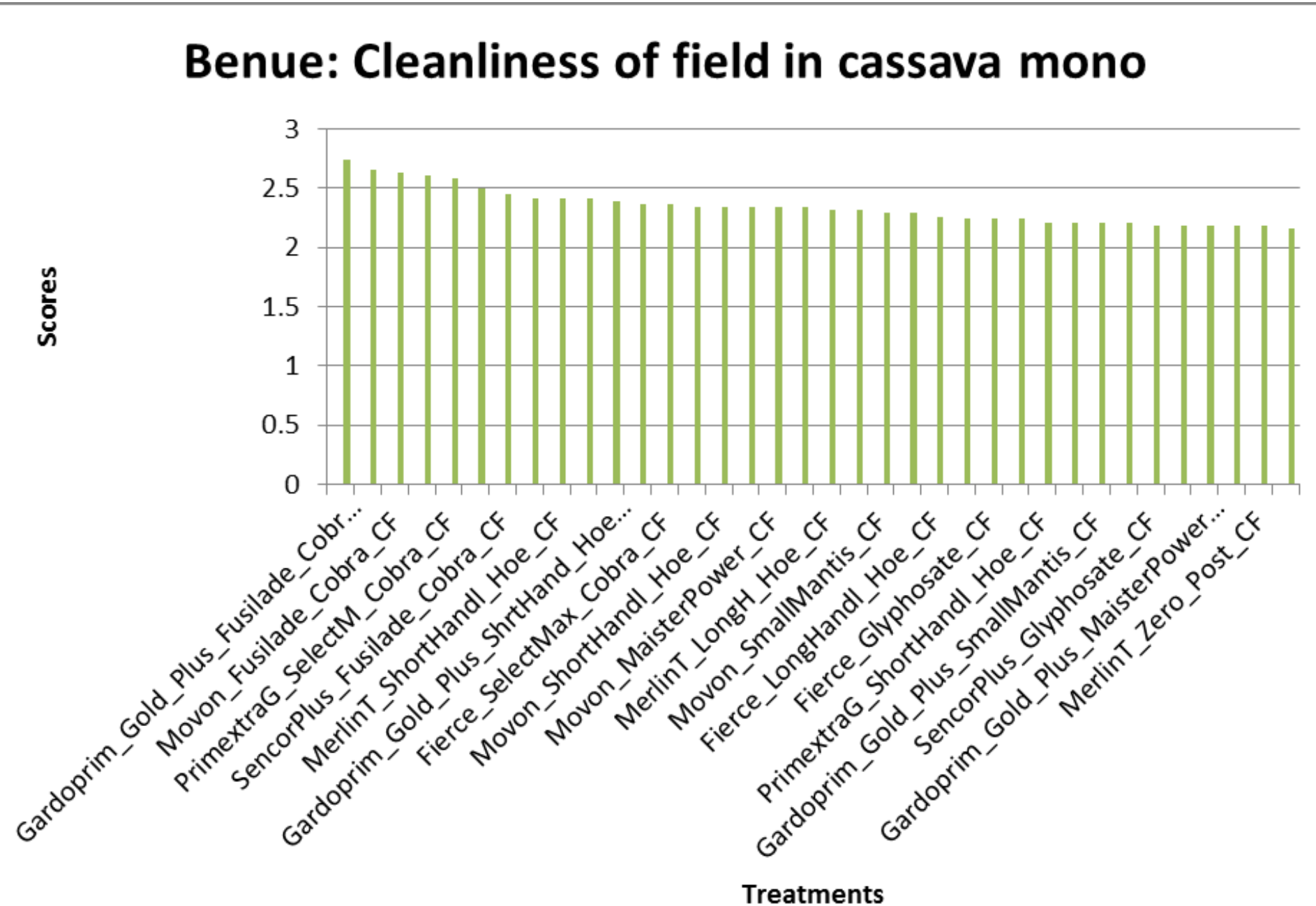
Cassava Weed Management Project

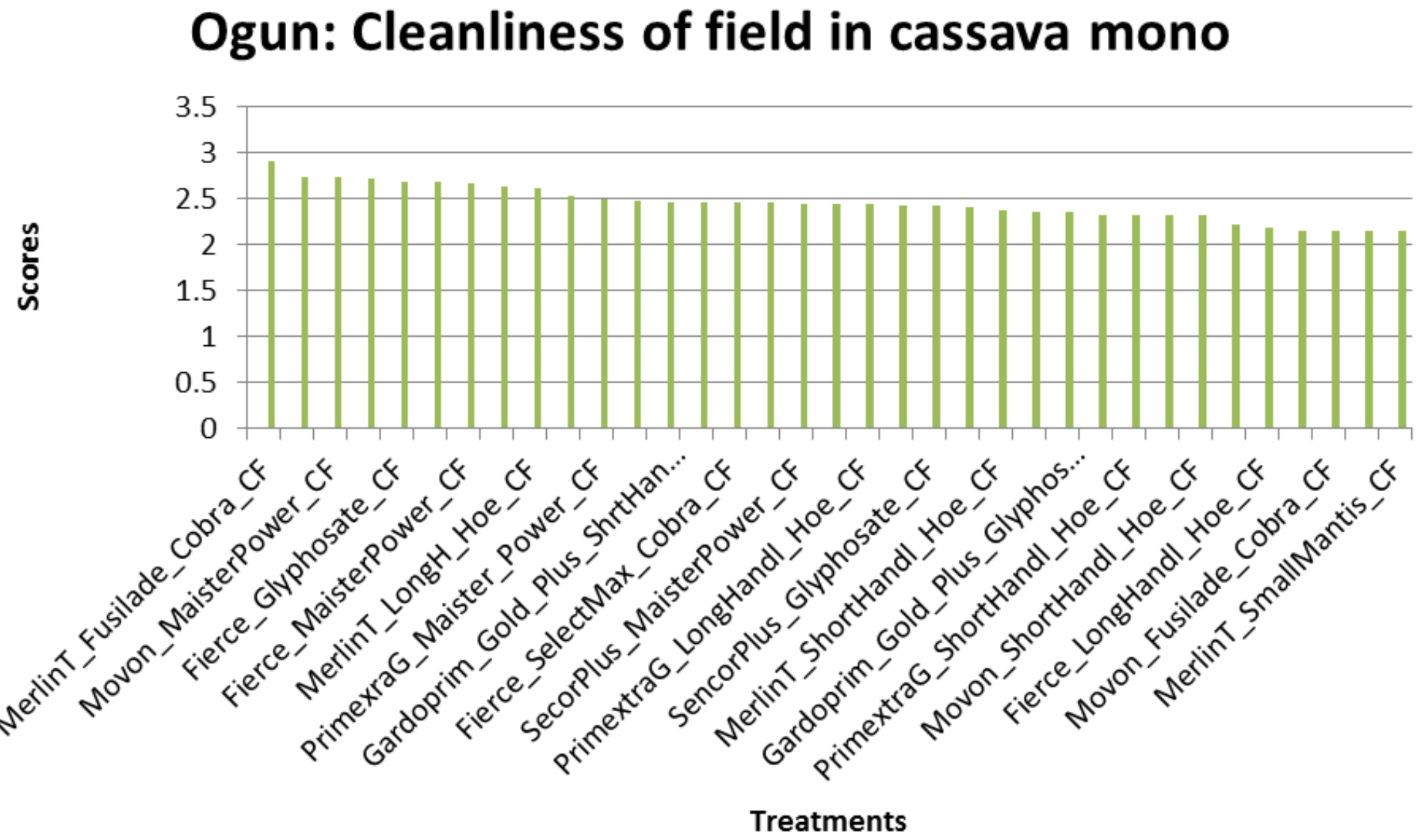


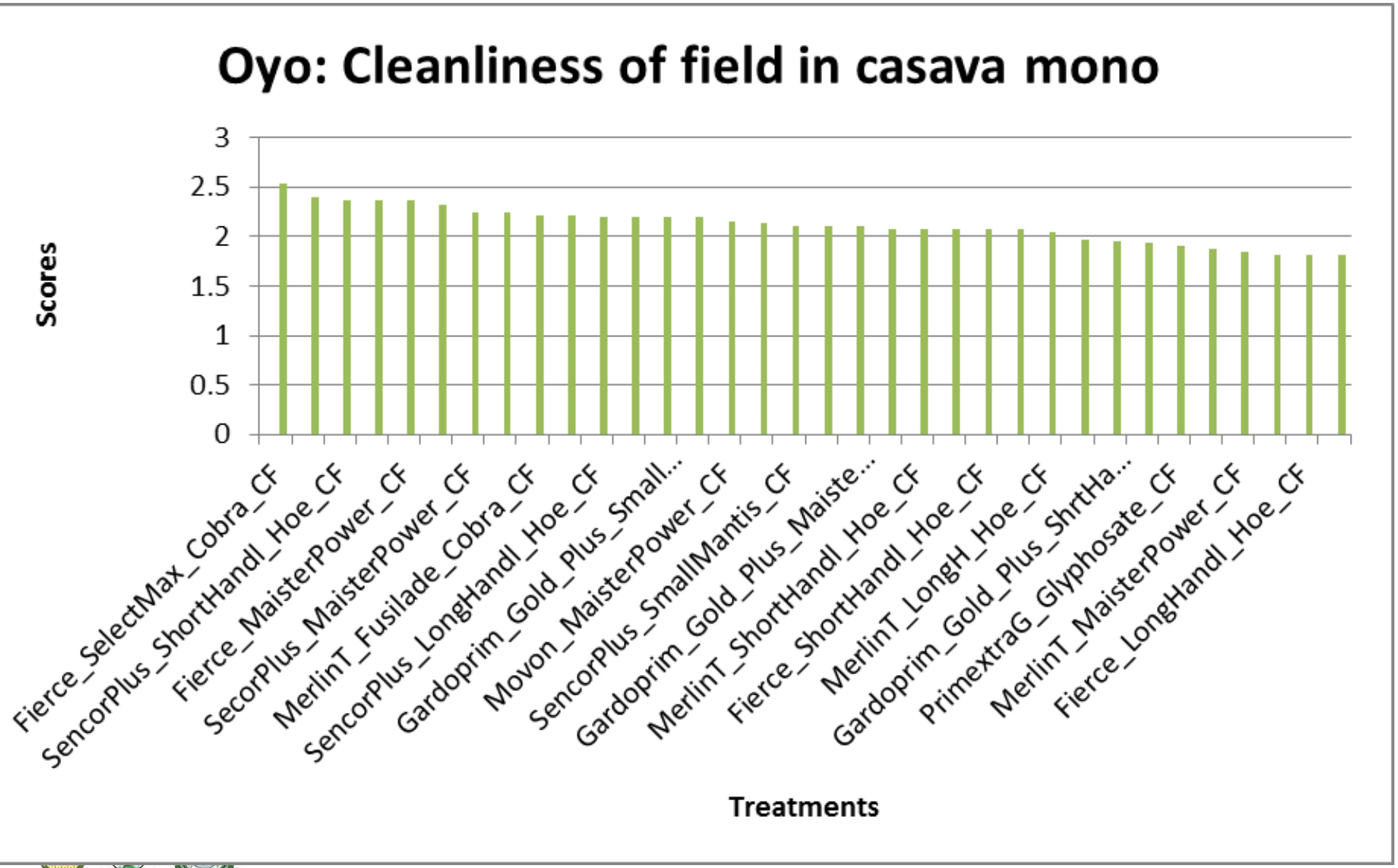
Total N	208
Test Statistic	9.751
Degrees of Freedom	6
Asymptotic Sig. (2-sided test)	.136

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

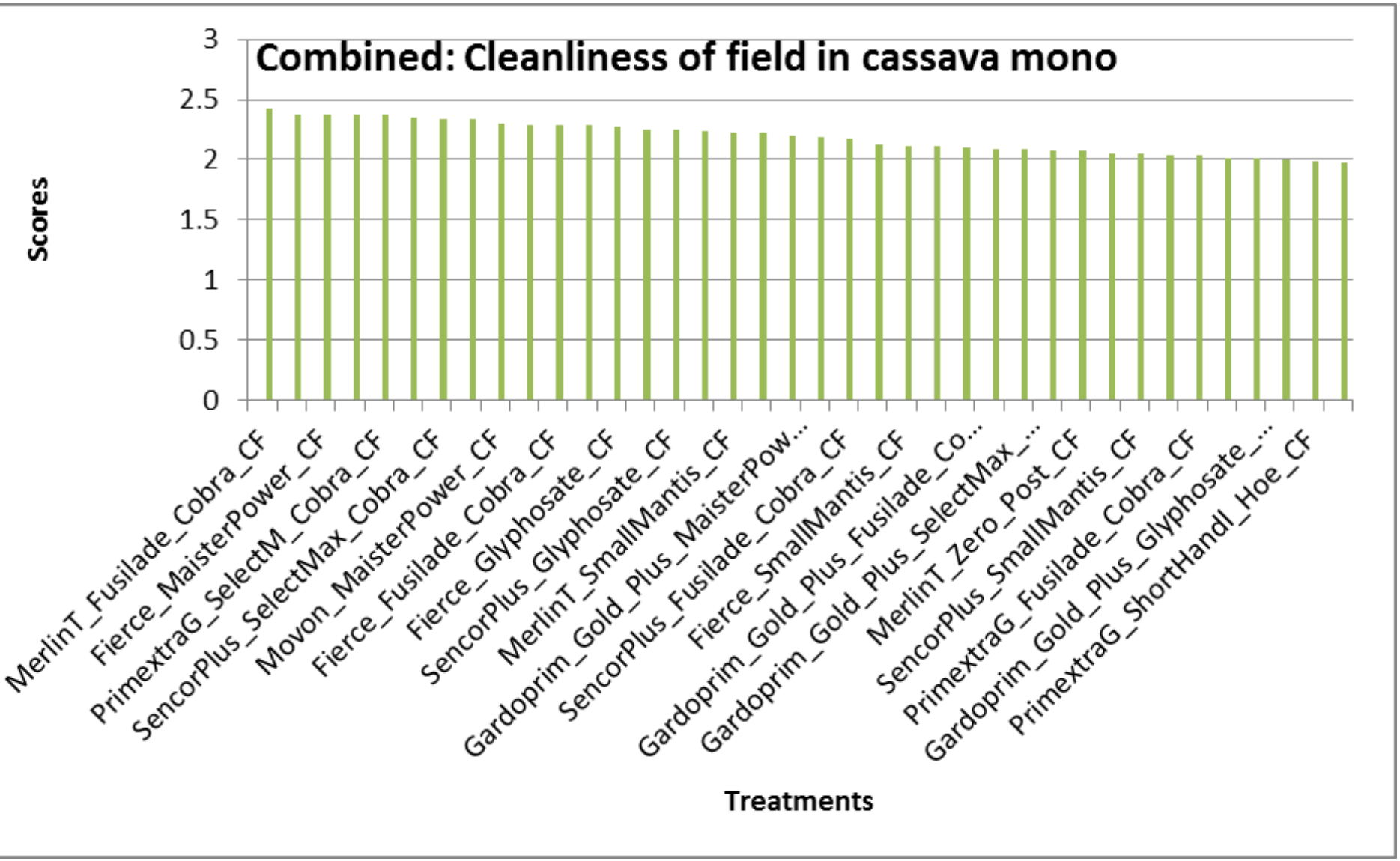

Abia: Cleanliness of field in casava mono
Scores
2.5
2
1.5
1
0.5
0
MerlinT_Zero_Post_CF
SecorPlus_MaisterPower_...
MerlinT_MaisterPower_CF
MerlinT_SelectMax_Cobra...
SencorPlus_SelectMax_Co...
PrimextraG_SelectM_Cobr...
MerlinT_ShortHandl_Hoe...
SencorPlus_ZeroPost_CF
Fierce_MaisterPower_CF
SencorPlus_Fusilade_Cobr...
Movon_ZeroPost_CF
MerlinT_LongH_Hoe_CF
MerlinT_SmallMantis_CF
MerlinT_Glyhosate_CF
NoPre_Emergence_Maiste...
SencorPlus_LongHandl_H...
PrimexraG_Zero_Post_CF
MerlinT_Fusilade_Cobra_CF
Fierce_Glyphosate_CF
Gardoprim_Gold_Plus_Ma...
Fierce_SmallMantis_CF
PrimexraG_Maister_Powe...
PrimextraG_ShortHandl_H...
Treatment


Benue: Cleanliness of field in cassava mono
Scores
3
2.5
2
1.5
1
0.5
0
Gardoprim_Gold_Plus_Fusilade_Cobr...
Movon_Fusilade_Cobra_CF
PrimextraG_SelectM_Cobra_CF
SencorPlus_Fusilade_Cobra_CF
MerlinT_ShortHandl_Hoe_CF
Gardoprim_Gold_Plus_ShrtHand_Hoe...
Fierce_SelectMax_Cobra_CF
Movon_ShortHandl_Hoe_CF
Movon_MaisterPower_CF
MerlinT_LongH_Hoe_CF
Movon_SmallMantis_CF
Fierce_LongHandl_Hoe_CF
Fierce_Glyphosate_CF
PrimextraG_ShortHandl_Hoe_CF
Gardoprim_Gold_Plus_SmallMantis_CF
SencorPlus_Glyphosate_CF
Gardoprim_Gold_Plus_MaisterPower...
MerlinT_Zero_Post_CF
Treatments

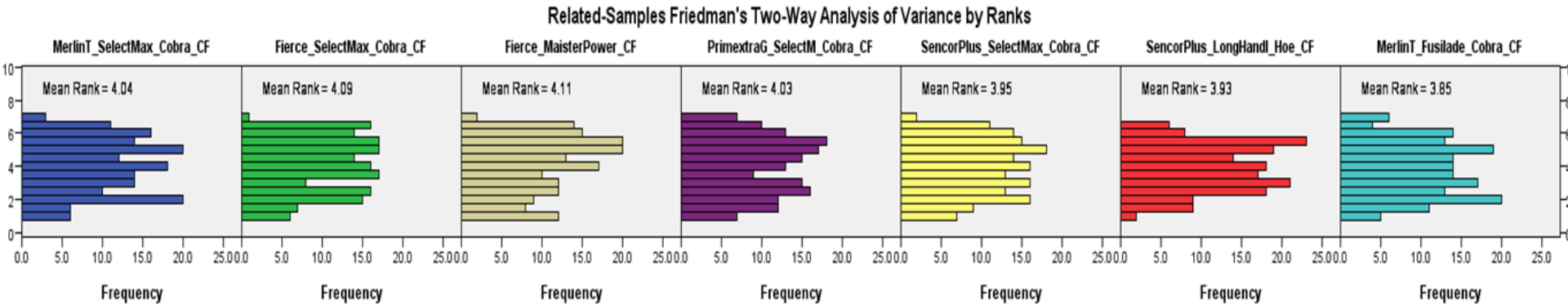

Ogun: Cleanliness of field in cassava mono
Scores
3.5
3
2.5
2
1.5
1
0.5
0
MerlinT_Fusilade_Cobra_CF
Movon_MaisterPower_CF
Fierce_Glyphosate_CF
Fierce_MaisterPower_CF
MerlinT_LongH_Hoe_CF
PrimexraG_Maister_Power_CF
Gardoprim_Gold_Plus_ShrtHan...
Fierce_SelectMax_Cobra_CF
SecorPlus_MaisterPower_CF
PrimextraG_LongHandl_Hoe_CF
SencorPlus_Glyphosate_CF
MerlinT_ShortHandl_Hoe_CF
Gardoprim_Gold_Plus_Glyphos...
PrimextraG_ShortHandl_Hoe_CF
Movon_ShortHandl_Hoe_CF
Fierce_LongHandl_Hoe_CF
Movon_Fusilade_Cobra_CF
MerlinT_SmallMantis_CF
Treatments


Oyo: Cleanliness of field in casava mono
Scores
3
2.5
2
1.5
1
0.5
0
Fierce_SelectMax_Cobra_CF
SencorPlus_ShortHandl_Hoe_CF
Fierce_MaisterPower_CF
SecorPlus_MaisterPower_CF
MerlinT_Fusilade_Cobra_CF
SencorPlus_LongHandl_Hoe_CF
Gardoprim_Gold_Plus_Small...
Movon_MaisterPower_CF
SencorPlus_SmallMantis_CF
Gardoprim_Gold_Plus_Maiste...
MerlinT_ShortHandl_Hoe_CF
Fierce_ShortHandl_Hoe_CF
MerlinT_LongH_Hoe_CF
Gardoprim_Gold_Plus_ShrtHa...
PrimextraG_Glyphosate_CF
MerlinT_MaisterPower_CF
Fierce_LongHandl_Hoe_CF
Treatments

Cassava Weed Management Project



Cassava Weed Management Project



Total N	164
Test Statistic	2.866
Degrees of Freedom	6
Asymptotic Sig. (2-sided test)	.826

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
Abia	No	133	84.2
	Yes	25	15.8
	Total	158	100.0
	NR	22	
Total		180	
Benue	No	131	64.2
	Yes	73	35.8
	Total	204	100.0
	NR	6	
Total		210	
Ogun	No	35	27.6
	Yes	92	72.4
	Total	127	100.0
	NR	82	
Total		209	
Oyo	No	23	9.0
	Yes	233	91.0
	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
Abia	No	132	85.2
	Yes	23	14.8
	Total	155	100.0
	NR	25	
Total		180	
Benue	No	54	26.2
	Yes	152	73.8
	Total	206	100.0
	NR	4	
Total		210	
Ogun	No	38	29.9
	Yes	89	70.1
	Total	127	100.0
	NR	82	
Total		209	
Oyo	No	43	17.2
	Yes	207	82.8
	Total	250	100.0
	NR	20	
Total		270	

NR: No Response

Cassava Weed Management Project

Agrodealer shops in Benue

Gang sprayers in Oyo

Implementing partners

www.cassavaweed.org

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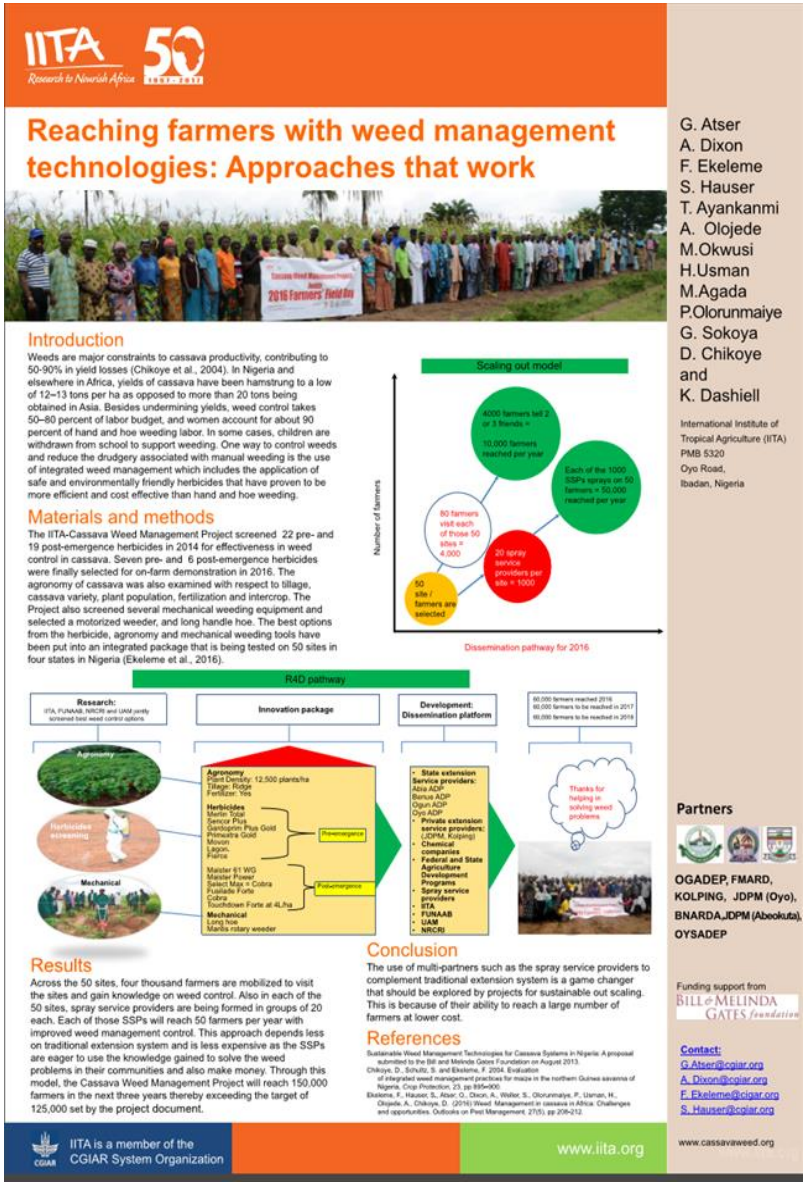
IITA AWARD 2016



Implementing partners

Acknowledgement

Principal Investigator:

IITA Transforming African Agriculture 50 1967 - 2017

Implementing Partners:

Federal University of Agriculture Abeokuta – Knowledge for Development

National Root Crops Research Institute NRCRI Umudike

University of Agriculture Makurdi – Innovation and Service

Abia ADP

BNARDA

OGADEP

OYSADEP

JDPM Oyo

JDPM Abeokuta

KOLPING

FMARD

Funds from:

Bill & Melinda Gates foundation