

3.0 ACTIVITIES OF SASAKAWA GLOBAL 2000 IN GOMBE STATE

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INTRODUCTION:-

Sasakawa Global 2000 (SG2000) is an international non-Governmental and non profit organization that works with national extension service in various countries of Sub-Saharan Africa to demonstrate improved food production and post harvest technology to small scale farmers.

The project started in Nigeria as a result of formal request to Sasakawa Africa association (SAA) by the Federal Government to establish a similar project in Nigeria after a spectacular success in some African countries notably Ghana, Sudan, Ethiopia, Mozambique, etc.

The project begun in Nigeria in 1992 in two states Kaduna and Kano. By 1998 SG2000 was operating in six northern states notably Kano, Kaduna, Jigawa, Katsina, Bauchi and Gombe, now expanded to nine northern states. SG2000 work in collaboration with state ADPs. Staff of the ADP are assigned to SG2000 and they also carryout other functions of the ADP. The main mission of the SG2000 is to assist farmers in sub – Saharan African countries to reduced poverty, enhance food security and protect the natural resources base through the accelerated adoption of productivity enhancing agricultural technologies (high yielding seeds, fertilizer, agrochemicals) and improved farming practices.

The objectives are achieved through the conduction of management Training Plots (MTPs). A quarter to half a hectare is designed as a management training Plots. The MTP provide opportunity for hands in training for both farmers and frontline extension staff.

Farmers are responsible for the operational cost of their MTPs. One of the main thrust of SG2000 is the organization of the minor and major field days during the growing season, where technical aspects of the MTPs, field problem proffered and improvements against subsequent season suggested.

SG2000 Activities in Gombe State:-

Sasakawa Global 2000 (SG2000) started operating in Gombe State in 1998 after some senior staff of the ADP attended an MTP field day and interacted with the implementers (farmers) in Kaduna State in the 1997 raining season. Impressed with what they saw, they recommended that Gombe State ADP should start the MTP programme. Gombe state ADP sent some few farmers for training on the MTP technology at SG2000 Headquarters in Kano, the trained farmers establish ¼ Hectare of maize MTP. First field day was held in Kumo on one of such plots which SG2000 officials from Kano attended, an average yield of 4.2 tonnes per hectare was realized as against farmers 1.5 tonnes. Impressed with what they saw in Gombe, formalities of including Gombe into the SG2000 operating states by PCU and SG2000 was done.

During the 1999 rainy season, more crops were included in the MTP (maize, rice wheat, millet) and more farmers particited in the MTP demonstration. Since then the activities of SG2000 has been on increase as presented in the table below.

Table1- Number of participating farmers (wet season)

YEAR	TECHNOLOGY	NUMBER OF FARMERS	HECTARES	REMARK
1998	maize production technology	20	5	

1999	maize,wheat,millet,rice, production technology	116	29	
2000	Maize,wheat,millet,sorghum,rice, production technology	286	143	
2001	Maize,millet,sorghum,cotton,soybeans,rice	487	283	
2002	Maize,sorghum,millet,s/beans,cowpea,rice,vetebles	595	347	
2003	Same as 2002	725	422	
2004	Same as above plus conservation tillage	1,520	1330	
2005	Same as above plus QPM	3,520	2625	
2006	Same as above plus NERICA RICE	3,405	2127	
2007	same as above plus post-harvest handling and processing	3,450	3016	
2008	Same as above plus introduction of Tops,VADSand PTP	3,610	3021	
2009	Full take off of Top VAD, and PTP in only 5 LGAs- Akko, Billiri, Kaltungo, Kwami and Y/Deba	380	234	
	TOTAL	17,594	13,627	

Table2- Number of participating farmers dry season

Year	Technologies	No of farmers	remark
1998	—	—	Nine First Year
1999	Wheat production technology	15	
2000	Wheat production technology	10	No Market for precious Product
2001	wheat: Green maize 3, Rice 22	26	
2002	Wheat 10, Green maize 20, Rice 40, Sweet Pepper 42, Tomato45	137	There were birds problem on rice
2003	Green Maize, 20, Rice 15, Tomato 51, pepper 33, onion 42	161	
2004	Green Maize 27, Rice 07, Tomato 55, Pepper 51, onion 46	186	
2005	Cowpea 21, Green maize 25, Tomato 56, Pepper 52, Onion 56.	210	
2006	Cowpea, 20, Water melon28, Green maize 31, Tomato 48, Pepper 47, onion 45, carrot 18	237	
2007	Green Maize 3, Tomato, 15, Pepper 15 Onion 15	48	
2008	—	—	Due to the introduction of – AGRA Programe
2009	—	—	

TOTAL-1030

As indicated in the tables above, both the number of the technologies covered and management training Plots (MTPs) have been in the increase. In 1998 only maize MTPs were established, by 2005 nine (9) crops were covered including conservation tillage (CT). The dry season programme also started only 15 farmers in wheat, and rose to 237 farmers in 2006 season with 8 different crops demonstrated. It should be noted that not only technologies and number of plots increased over the years but also average crop yield increase were recorded over non-MTP Plots as indicated in the table below.

AVERAGE YIELD INCREASE AGAINST TRADITIONAL FARMERS FIELD

CROP	FARMERS TRADITIONAL FIELD (ton/ha)	SG2000 MTP(ton/ha)	REMAK
Maize	1.5	4.7	
Millet	1.2	2.0	
Rice	1.4	4.8	
Sorghum	1.04	2.4	
Cowpea	0.60	1.2	
B/beans	0.8	1.6	
Sesame	0.5	0.8	
CT	-	3.0	

TRAINING:-

Participating farmers and Extension Agents are supposed to be given adequate training so as to be conversant with the technologies. Pre - seasonal training for the participating Extension Agents and farmers are usually organized by SG2000 HQTs, where few farmers and Extension Agents are invited from each participating state to attend. After which each state is expected to organize its own training at state level. Due to limited funds the state has not been conducting state wide training. SG2000 in the state resorted to training farmers at community levels mostly on request. The table below indicates such trainings and others conducted in the state.

Table 6; SUMMARY OF TRAINING CONDUCTED

YEAR	TYPE OF TRAINING	Category of Participants	Number of Participants
1998	SG2000 Pre-season training	Farmers and Extension Agents(20)	20
1999	SG2000 Pre-season training	Farmers and Extension Agents(20)	20
2000	SG2000 Pre-season training wet and dry season	Farmers and Extension Agents(15)	15
2001	SG2000 wet season training National maize workshop SG2000 data sheet recording course SG2000 dry season training Village Area Trainings	Farmers and Extension Agents(16) Coordinators & Directors (3) Extension Agents(18) Extension Agents(10) Farmers (2500)	2547
2002	Conservation tillage training (candel/SG2000) Village Area Training SG2000 Pre-season training	EAS and Farmers (32) Farmers (3000) EA & Farmers (16)	3248

2003	SG2000 Pre-Season Training (wet season) School programme training Village area trainings SG2000 pre-season training dry season	EA and farmers (16) Students 60 Farmers (3774) EA & Farmers (10)	4400
2004	Candel Agro Chemical Training School Programme Training Pre-season training wet season Saro Agro-chemicals rural training Dry season training Village Area Training	Farmers and Extension Agents(27) Students Farmers (122) EAS & Farmers (12) Farmers (2968)	3102
2005	SG2000 Pre-Season Training (wet season) National maize workshop African Agro Farmers training Jubaili Agro-Chemicals training on use of Herbicides Village Area Trainings IITA/IAR BNMS training	Farmers and Extension Agents(20) Coordinators (3) Farmers (84) EAS & Farmers (76) EA & Farmers (16) Farmers (3175) EAS-(29)	3403
2006	SG2000 Pre-Season Training (wet season) Soro Agro-Chemicals training on use of Herbicides IITA/IAR BNMS training Fitsco Agro-Chemicals (Fitsco Kits) training Dry season training Village area trainings	EA & Farmers (20) EAS & Farmers (146) EAS (20) EAS & Farmers (48) EAS & Farmers (16) Farmers (3581)	3831
2007	No record	No record	No record
2008	Transition from MTP to Top, VAD and PTP technologies	No record	
2009	Pre-season training for coordinators Pre-season training for EAS Purduce improve cowpea storages Saro Agro-chemical training	Coordinators (30) Extension Agents(20) Extension Agents(60) Extension Agents(20)	103

School programme:-

Sasakawa Global 2000 introduced a school farm program (tagged catch them young). The program started with three (3) secondary schools namely Government secondary school Pindiga, Government Secondary School Kaltungo and Junior Tumu in 2003 wet season. The student were trained on the technology and used to carry out all the

operations in the school farm. The school authority provided all the inputs (seeds and fertilizer). The program was so successful that when the national coordinator of SG2000 visited one of the plots he requested commissioner of Education be invited to see the plot. As a result of a field day was held in one of the schools, quite impressed the commissioner of Education wrote a commendation letter to the ADP and advised the programme be extended to all boarding schools in the state. The table show schools that participated in the programme

SCHOOL PROGRAMME (CATCH THEM YOUNG)

YEAR	SCHOOL	CROP	REMARK
2003	GSS Pindiga GSS Kaltungo JSS Tumu	Maize Hybrid Maize Hybrid Maize Hybrid	
2004	GGASS Kaltungo GSSS Kaltungo GSS Pindiga Theological Secondary Kufai Billiri GSS Dukku	Qpm Qpm Qpm Qpm Qpm	
2005	GDSS Deba GGSS Kuri GSSS Kaltungo GSS Mallam Sidi FCCSS Bajoga GGSS Kaltungo GDSS Kaltungo GGSSS Doma	Soybeans Soybeans Qpm Qpm Soybeans Qpm G/nut vegetables	

Collaboration:-

The high success recorded by SG2000/GSADP has made it attractive for other agencies to collaborate with the programme:-

The table below shows some areas of collaborations;

TABLE 5 COLABORATION

ORGANIZATION	AREA OF COLLABORATION	REMARK
(A) Research Institudes (1) Raw material research	Promotion of new technology through Demonstration	

council (2) IITA (3) IAR		
(B) Agro Chemical Companies (1) C-Zard Agro Chemicals (2) African Agro (3) Jubaili Agro Chemicals (4) Saro Agro Sciences (5) Dizengof Agro Chemical (6) Candel Agro Chemicals (7) WACOT Agro Chemicals (8) AFCOT Agro Services (9) Fitsco Agro Chemicals	Promotion of herbicide and pesticide e through sales promotions and conduction of Demonstration Plots	
(C) SEEDS COMPANIES (1) Premier Seeds (2) Admiral Seeds (3) Seed Project (4) Alheri Seeds (5) Sawanna Seeds (6) Masalaha Seeds	Promotion of newly released variety through Demonstration Plots	
(D) FERTILIZER COMPANIES - GOLDEN FERTILIER	Direct purchase through linking farmer groups to the company removing middle manship	12 trucks were brought by farmers in all

Sourcing of improving Seeds:-

Improved seed varieties with high yielding ability, early maturity, pest and diseases resistance were sourced by SG2000 and are in circulation. Speedily replacing the native and local varieties. Which crops? Names of same varieties being pushed out.

Logistics and staff Support:-

SG2000 provided a double cabin Toyota van and four (4) motorcycle for logistics in carrying out GSADP/SG2000 activities. In addition it gives allowance to 19 frontline extension agents assigned to SG2000.

New area of focus of SG2000:-

SG2000 have been yield increase extension packages. Focus has now changed to the following areas:-

1. Capacity building – Manpower development
2. Agro – processing – Demonstration of processing technologies
3. Promotion of new rice for Africa (NERICA) varieties
4. Promotion of quality protein maize (QPM)
5. Promotion of Conservation Tillage (CT)

Field days:-

Farmer Field-days are organized on good plots where other farmers are invited and the demonstrating farmer is allowed to explain the technologies practiced to arrived at such result. It is a forum where other farmer see, learn and develop interest. Fielddays are organised every year during the season in three categories as follows-

- a) mini-field days
- b) zonal field days
- c) state field days

The table below indicate state field days conducted in the state by SG2000

Year	Location	Farmer	Crop	Attendance
1998	Kumo	Alhaji Kawuwa	Hybrid maize	450
1999	Dumbu	Lawali Dumbu	Hybrid maize	472
2000	Dasa	Alh Omu S/noma	Wheat	1321
2001	-	-	-	-
2002	Awak	Abbas Sati	Hybrid maize	1353
2003	Hinna	Isa Umar Hinna	Maize hybrid	1100
2004	Gelengu	Cpt Abare Madaki	Hybrid maize	580
2005	Hashidu	Sabo Aliko	Rice	560
2006	Kumo	Isa A Donet	Hybrid maize	807
2007	Bajoga	Alh Ali Kolo	Millet sosat	1450
2008	Dadin Kowa	Isa Umar Hinna	QPM	1535
2009	Dongor Tal	Ambrose Farfasi	QPM	2460

QPM Village:-

In order to promote and maintain pure QPM seeds in the state SG2000 have established three (3) QPM Villages in the state.

- 1) Dongor Tal – Billiri LGA
- 2) GSSS Kaltungo – Kaltungo LGA
- 3) Dadin Kowa – Yamaltu Deba LGA

CONCLUSION:- With a Governor who always wants the best, and creates enabling environment for effective performance, This he has demonstrated by the best support given the commissioner ministry of Agriculture the programme manager GSADP, who as a result gave full support to SG2000 and other programmes under it.

It may interest you sir to know that SG2000 in Gombe state has been performing ahead of other states in the programme.

1. The state in the year 2003 was selected out of the best four who were given a Toyota Hilux double cabin as an official car. Unfortunately the vehicle had an accident thus is off road.
2. In the year 2006, the state was selected out of the best two as a result the state coordinator was offered a scholarship to study in Ghana.

3. In the present season 2009 SAA Directors assessment team rated Gombe the best out of the six participating states, thus proposed increasing the number of participating extension agents in state from 20 to 50 and the programme to cover the 11 LGAs instead of the present 5.

CONSTRAINTS THAT NEED INTERVENTION

While we sincerely acknowledge the role and efficiency with which the ministry of agric and GSADP are pursuing the SG2000 programme we must admit that His Excellency the Governor of Gombe state have played the greatest role, which made it possible for Gombe state to reach this stage of success. The high success has its attendant consequences, thus with increase in number of participating farmers and EAs more supervision is required in this regard the state government should continue to improve its funding of the GSADP so as to enable it take care of logistics(vehicles for supervision, fueling allowances, farmers trainings etc.) for the programme.

NEW SASAKAWA GLOBAL 2000 PROJECT APPROACH

2009 WET SEASON PROGRAMME

S/No.	ACTIVITIES	ACHIEVEMENTS
1	No. of Extension Agents	20
2	No of Communities Targeted	20
3	No. of Technology Option Plots (TOPs)	20
4	No. of Women Assisted Demonstrations (WAD)	60
5	No. of Production Test Plots (PTP)	300
6	No. of Mini Field Days Conducted	80
7	No. of Zonal Field Days Conducted	3
8	No. of State Field Days Conducted	1

SASAKAWA GLOBAL 2000 WET SEASON MANAGEMENT TRAINING PLOTS (MTTPs)

S/No	ACTIVITY	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	TOTAL
CROP PRODUCTION		No. of plots		No. of plots		No. of plots		No. of plots		No. of plots		No. of plots/emp	
WET SEASON		No. of plots		No. of plots		No. of plots		No. of plots		No. of plots		No. of plots/emp	
1	Maize (HB, QPM)	20	56	137	189	339	355	660	1230	1300	1405	1428	7119
2	Millet		30	87	115	107	100	120	340	340	470	498	2207
3	Cowpea					30	60	100	441	441	400	420	1892
4	Soya Beans				48	39	50	170	230	115	97	100	849
5	Rice		30	62	50	60	100	360	970	970	485	492	3579
6	Sesame				50			39	50	50	68	71	278
7	G/Nut				19				161	161	140	186	667
8	Cotton				25								25
	Sorghum				40	20	60	42	54	54	385	415	1070
	Conservation Tillage							29	44	44			117
10	TOTAL	20	116	286	486	595	725	1520	3520	3475	3450	3610	17903

SASAKAWA GLOBAL 2000 DRY SEASON MANAGEMENT

S/No	ACTIVITY	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Total
CROP PRODUCTION DRY SEASON		No of plots	No of plots	No of plots	No of plots		No of plots	No of plots	No of plots	No of plots	No of plots	No of plots
1	Wheat	-	15	10	1	10						36
2	Green Maize	-			3	20	20	27	25	31		129
3	Rice	-			22	40	15	07			3	84
4	Tomato	-				45	51	55	56	48	15	270
5	Pepper	-				42	33	51	52	47	15	240
6	Onion	-					42	46	56	45	15	204
7	Cowpea	-							21	20		41
8	Water Melon	-								28		28
	TOTAL	-	15	10	26	157	161	186	210	219	48	1032

FARMER FIELD SCHOOL FIELD DAY ON RICE LAFIYAWO – KWADON UNDER NPFS



PRODUCTION TEST PLOT (PTP) FOR RICE AT KURUGU



PRODUCTION TEST PLOT (PTP) FOR MAIZE AT WAJARI

