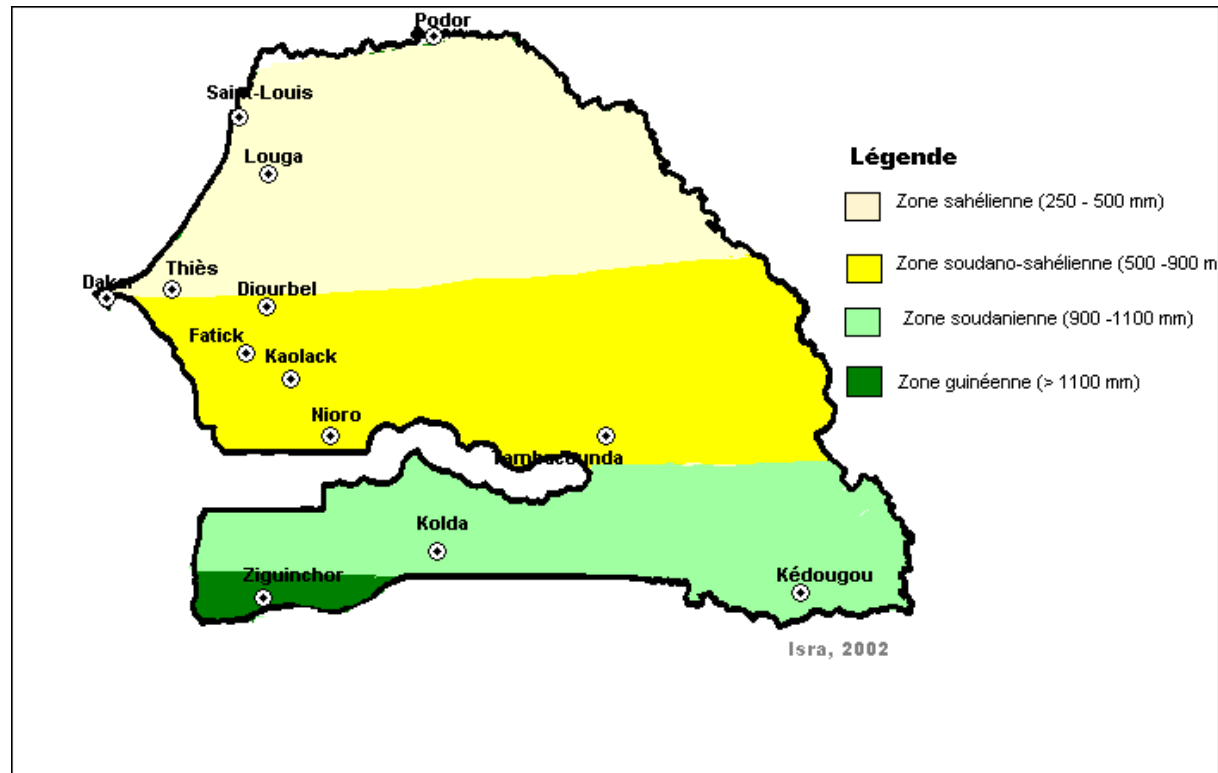


Cowpea and sorghum varieties, seed production

Accra 8-9 2013

Cowpea and sorghum zones



Breeding objectives

- Resistance to abiotic constraints
 - Drought
- Resistance to biotic constraints
 - Insects
 - Diseases
 - Striga
- Grain quality
 - Color
 - Taste
 - Size

Achievements

- Diongoma
 - 70 days, Large white grains
 - Resistant to AbMV, Bacterial Blight
 - Tolerant to bruchids
 - Released in Nigeria (regional catalogue)
- Mouride
 - Drought resistant, 65 days
 - Resistance to Striga, Bacterial blight, CaBM, Bruchids
 - Poor grain quality

Achievements ste

- Melakh
 - Aphids, Bacterial blight, AbMV, resistance
 - Thrips tolerance
 - 60 days, long pods, medium sized grain.
 - Released in Burkina Faso
- Yacine
 - Aphids, Bacterial blight, AbMV, resistance
 - 60 days, long pods, medium sized grain.
 - Large brown grain, good taste
- Pakau
 - Similar to Melakh with stronger thrips resistance







Sorghum varieties

- Faourou
- Nguinthe
- Nganda
- Darou
 - Better grain and feed qualities
 - Tested in Ghana, Benin, Guinea Bissau, Gambia

Seed production, system

Problem statements

Crop	Acreages (Ha)	Annual requirement (T)	Certified seeds (T) 2012/2013
Corn	158 138 ha	2 846	1 482
Millet	880 729 ha	3 522	1 786
Sorghum	194 873 ha	1 560	670
Peanut	905 156 ha	120 000	4 800
Cowpea	214 216 ha	3 856	190

Foundation Seed production

- 1st gen. 1.1 T: ISRA seed unit & breeding progr.
- 2nd gen., 34 T: Privates, Farmer organizations
- Training of farmer seed producers:
 - Field selection,
 - Rouging of off-types and diseased plants,
 - harvest and post-harvest (Double bags provided to farmers for storage)

Foundation Seed production ste

- Farmers organizations:
 - RESOPP, UGPM, MiniKit farmers, Touba Toul Coop.
- Privates:
 - SEDAP, ARSM, Moustapha Diop
- Productions
 - 2009: **11.254 T** of or **32 %** of annual requirement.
 - 2010: 23.5 T of foundation (67 %)
 - 2011: 16.5 T or 47 % annual needs

Scaling up

RESOPP

Cooperativ	Antenna	Nr of villages	Nr of members	Nr of women	% of women
COORAP	6	82	5578	2755	49%
COOPAM	5	22	4293	2054	48%
COOPAD	5	191	4814	2561	53%
COORDEC	3	48	2615	1287	49%
COOPAKEL	7	37	8293	3854	47%
TOTAL	26	380	25.593	12511	49%

RESOPP foundation and registered

Crop	2011 (ha)	2012 (ha)
Sorghum	39	46
Millet	17	32
Corn	14	38
Cowpea	64	69

WAAPP program RESOPP

CROP/Varieties	Year 1		Year 2		Year3 3		Total
	Found.	R1	Found.	R1	Found.	R1	
Sorghum (Nguinthe, Faourou, Nganda)	6	60	8	80	2	60	216 T
Millet (Thialack2, Souna 3 ITCP 8906, SOSAT)	5	50	6	60	2	40	163 T
Corn (Early Thai, Swan 1)	8	70	4	90	4	45	221 T
Cowpea (Yacine, Mélakh et Pakao)	11	85	10	135	9	150	400 T

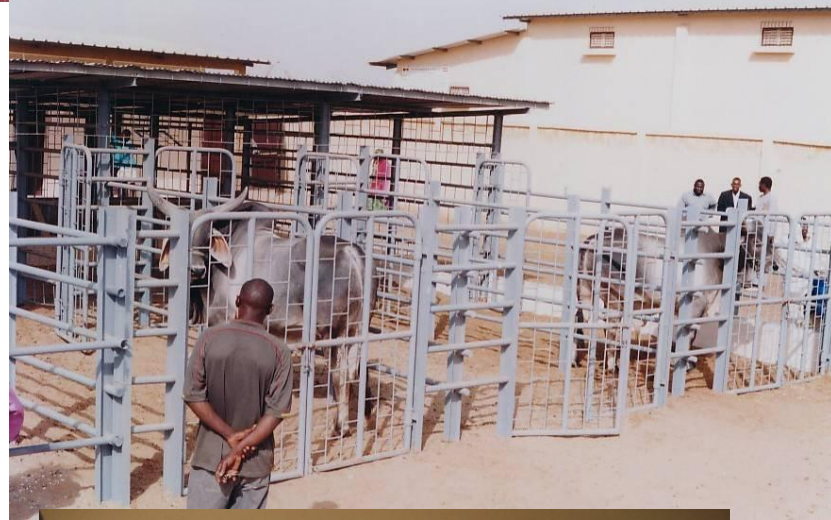
WAAPP program ASPRODEB

Seasons	Millet		Sorghum		Corn		Cowpea	
	Fdt	R1	Fdt	R1	Fdt	R1	Fdt	R1
2013-2014	10	2 100	10	1 000	36	12 450	48	-
2014-2015	60	1 750	60	1 250	180	2 700	48	1 950
2015-2016	80	10 500	80	7 500	215	13 500	48	1 950
2016-2017	80	14 000	80	10 500	215	16 125	48	1 950
Total	230	28 350	230	20 250	646	44 575	192	5 850

DURABILITY

- RESOPP-microfinance
 - COOPEC: Savings and credit cooperative
 - Agriculture, fisheries, animal husbandry, entrepreneurship
 - Savings and loans
 - Money transfer





Les producteurs membres du RESOPP fournissent la coopérative en semences de qualité contrôlée



DURABILITY *ste*

- ASPRODEB
 - 29 cooperatives with a network of 6.000 seed producers of foundation and certified.
 - Contractual agreement with CNCAS (bank)
 - Bank deposit since 2010 valuing NOW 800,000 \$
 - 2012 funding: 2 million \$ for seed production and collecting from producers.
 - Storage facilities, debt reimbursement, seed distribution?
- Government initiative for next 5 years

Thank you