

VARIETAL RELEASE HISTORY (2006-2012) OF INTSORMIL SUPPORTED NARS BREEDING PROGRAMS

Year	Crop (Sorghum or Pearl Millet)	Country	Name of Variety Released	On-farm Yield of New Variety	Yield of Local Check Variety	Amt. of Seed Produced (Breeder, Basic/Foundation, Certified)	Qualities other than Yield (Drought Tol./Forage Quality/Food Type, etc.)	Comments
2000-2006	Pearl millet	Mozambique	Kuphanjala1	600-1200 kg/ha	200 kg/ha	50 kg breeder seed, 500 kg foundation seed	Drought tolerance good for forage quality, and Stay green	Bird attack when planted early November
	Pearl millet	Mozambique	Kuphanjala2	1000 kg/ha	400 kg/ha	50 kg breeder seed, 500 kg foundation seed	Drought tolerance good for forage quality, and Stay green	Bird attack when planted early November
	Pearl millet	Mozambique	Changara	1200 kg/ha	300 kg/ha	50 kg breeder seed, 500 kg foundation seed	Drought tolerance good for forage quality, and Stay green	Bird attack when planted early November
	Sorghum	Mozambique	Macia	3,0 – 5,0 ton/ha	400 kg/ha	1500 kg foundation seed	Drought tolerance good for forage quality, and Stay green	Bird attack when planted early November, suitable for low land and semi-arid areas of South and South of Tete Province
	Sorghum	Mozambique	Chokwe	2,0 – 4,0 ton/ha	400 kg/ha	1000 kg foundation seed	Drought tolerance good for forage quality, and Stay green, moderate susceptible to grain mold in areas with more than 4 months of rainfall season	Bird attack when planted early November, suitable for low land and semi-arid areas of South and South of Tete Province
2006	Sorgo	El Salvador	CENTA SS-44	Variedades 85				Estas variedades la

				SCP 805 y ES-790 (fotosensitivas) identificadas como más eficientes en el uso del Nitrógeno en el sistema de asocio maíz-sorgo. Con fertilizante producen 3.5 tm/ha y sin fertilizante 2.5 tn/ha, un 18% más que las locales.				utilizan los pequeños agricultores en una superficie de 35,000 ha en el sistema de asocio maíz-sorgo.
	Sorgo	El Salvador	CENTA SS-44	12 tm/ha/corte	8 m/ha/corte	25 tm/año de semilla certificada	25 tm/año de semilla certificada	Incrementa en 21% la producción de leche.
	Sorghum	Mali	GRINKAN	3000	1500	Breeders seed Seed foundation is certified	Human food and Forage quality	Very white flour allows various industrial uses such as cakes, biscuit
	Sorghum/Millet	Niger	90-SN-7					
	Pearl Millet	Zambia	Mulatiwa	600	520	200	Medium-tall, early, disease-tolerant, grey grain	Adapted in all millet areas. 2.9 t/ha yield potential.
	Pearl Millet	Zambia	Liseli	750	520	250	Tall, medium-early, long panicles, disease-tolerant, grey grain	Adapted to Regions I & II. 2.7 t/ha yield potential.
2007	Sorghum	Mozambique	Adaptation and yield stability evaluation	3,0- 5,0 ton/ha On-station 1,5 2,0 ton/ha	1,0-1,5 ton/ha	Breeder seed maintenances		Under National Plant Trials with rain feed conditions
	Sorghum	Mali	NIATHITIAMA	2500	1000	Seed foundation is certified	poultry feed and human food	Very white flour allows various industrial uses such as cakes, biscuit
	Sorghum/Millet	Niger	SSSD-35			1200T		Early maturity type;

								high resistance to Sorghum midge very serious Sorghum pest in Niger; the damage of this pest can estimated up to 85% of yield lost .
	Pearl Millet	Zambia	Dola	1030	630	300	Medium-tall, Bristled-Bird and disease-tolerant, medium –early, grey – nutritious grain	Nationally and Regionally demanded, Adapted to all millet areas. 3.0 t/ha yield potential.
	Pearl Millet	Zambia	Mulatiwa			500		
	Pearl Millet	Zambia	Liseli			650		
2008	Sorghum	Mozambique	Adaptation and yield stability evaluation			Breeder seed maintenances		Under National Plant Trials with rain feed conditions
	Sorgo	El Salvador	ZAM 911	2.7 tm/ha grano	2.4 tm/ha	25tm cada año semilla artesanal	Buena adaptación para el asocio con maíz	Altura de planta mediana con buen rastrojo.
	Sorghum	Mali	SANGATIGUI	2000	1500	Seed foundation is certified	Human food	Very white flour allows various industrial uses such as cakes, biscuit
	Sorghum/Millet	Niger	L-861			2000T		
	Pearl Millet	Zambia	Dola			3,000		
	Pearl Millet	Zambia	Mulatiwa			500		
	Pearl Millet	Zambia	Liseli			550		
2009	Sorghum	Mozambique	Adaptation and yield stability evaluation			Breeder seed maintenances		Under National Plant Trials with rain feed conditions
	Sorgo	El Salvador	ZAM 912	3.9 tm/ha grano	2.6 tm/ha grano	15 tm cada año semilla artesanal.	Doble propósito grano y forraje	Buena calidad de grano.
	Sorghum Hybrid	Mali	SEWA,	3500	1000	Seed foundation is certified	Human food and Forage quality	Very white flour allows various industrial uses such as cakes, biscuit

	Sorghum	Niger	L861;L724C;Serie of lines derived from crossing MDK by Sureno; developed through Single Seed descent Method MDSU-55-2;MDKSU-29-1;MDK-SU-55-1;MDK-Su-53-2;MDKSU-49-1;MDKSU-30-1;MDKSU-2-2;MDKSU-10-1;MDKSU-79-1;MDKSU-47-1;MDKSU-47-1;MDKSU-29-2;MDKSU-66-1;MDKSU-53-1;MDKSU-60-1;MDKSU-55-2			1615T	Good food quality; Drought tolerance;	Most of those new lines had good Combiner with our 2 females: NE223 A and ATX623;on our Hybrids development program. On farm tests will be carry out in the coming years
	Pearl Millet	Zambia	Dola			3,000		
	Pearl Millet	Zambia	Mulatiwa					
	Pearl Millet	Zambia	Liseli					
2010	Sorghum	Mozambique	8 varieties			400 kg breeder seed produced	Good grain qualities, wide range of adaptation over sorghum production areas, drought tolerance and stay green suitable for forage	Submitted to committee of plant release
	Sorghum	Mali	TIANDOUGOU COURA	2500	1000	Seed foundation is certified	Human food and Forage quality	Very white flour allows various industrial uses such as cakes, biscuit
	Sorghum	Nicaragua	SR-16	13ton/ha		3500T	Grain Hybrid; Food Quality; Macio PS Sorghum for Subsistence Varieties in Dry	

							Areas of Nicaragua; Red Grain Sorghum Cultivar	
	Sorghum/Millet	Niger	I-28			3500T		Good adaptation to sandy soil; good grain quality; having B reaction. Conversion into an adapted A line for our Hybrid program is in the Selection process.
	Sorghum	Zambia	[SDS5006xWSV -187)23-2-1	5 – 8 tons/ha	4-6 tons/ha	80 kgs	White tan plant, food quality bold grain, drought tolerant	Ideal for regions I and II
	Pearl Millet	Zambia	Dola			600		
2011	Sorghum	Mozambique	Matica 1	On-farm 1,400 kg/ha; On-station 2,500 – 3,000 Kg/ha	600-1,000 kg/ha	Breeder 200 m ² Planted	Good grain qualities, wide range of adaptation over sorghum production areas, drought tolerance and stay green suitable for forage	Material still in the field
	Sorghum	Mozambique	Matica 2	On-farm 1,250 kg/ha; On-station 2,500 – 3,000 Kg/ha	600-1,000 kg/ha	Breeder 200 m ² Planted	Good grain qualities, wide range of adaptation over sorghum production areas, drought tolerance and stay green suitable for forage	Material still in the field
	Sorghum	Mozambique	Tocole	On-farm 1,400 kg/ha; On-station 2,500 – 3,200 Kg/ha	600-1,000 kg/ha	Breeder 200 m ² Planted	Good grain qualities, wide range of adaptation over sorghum production areas, drought tolerance and stay green suitable for forage	Material still in the field
	Sorghum	Mozambique	Otela	On-farm 1,500 kg/ha; On-station 2,500 – 3,500 Kg/ha	600-1,000 kg/ha	Breeder 200 m ² Planted	Good grain qualities, wide range of adaptation over sorghum production areas, drought tolerance and stay green suitable for forage	Material still in the field
	Mozambique	Mussequesse	On-farm 1,200 kg/ha; On-station 1,300 – 3,000 Kg/ha	600-1,000 kg/ha	Breeder 200 m ² Planted	Good grain qualities, wide range of adaptation over sorghum production areas, drought tolerance and stay	Mozambique	Mussequesse

						green suitable for forage		
	Mozambique	Sima	On-farm 1,250 kg/ha; On-station 2,200 – 3,000 Kg/ha	600-1,000 kg/ha	Breeder seed 200 m ² ; 6 ha Foundation seed Planted	Good grain qualities, wide range of adaptation over sorghum production areas, drought tolerance and stay green suitable for forage ; intermediate maturing	Mozambique	Sima
	Mozambique	Mapupulo	On-farm 1,300 kg/ha; On-station 2,500 – 3,000 Kg/ha	600-1,000 kg/ha	Breeder 200 m ² Planted	Good grain qualities, wide range of adaptation over sorghum production areas, drought tolerance and stay green suitable for forage	Mozambique	Mapupulo
	Mozambique	Mucuvea	On-farm 1,800 kg/ha; On-station 3,000 – 4,000 Kg/ha	600-1,000 kg/ha	Breeder 200 m ² Planted	Good grain qualities, wide range of adaptation over sorghum production areas, drought tolerance and stay green suitable for forage	Mozambique	Mucuvea
	Sorgo	El Salvador	CENTA S-2 bmr para forraje.	2.5 tm/ha grano y 45 tm/ha de biomasa (MS)	2.0 tm/ha grano y 50 tm/ha biomasa (MS)	15 tm/año semilla certificada.	Forraje multicorte, 25% mas digestible que el sorgo normal.	Incrementa la producción de leche y carne en los bovinos.
	Sorghum Hybrid	Mali	NIELENI	3000	1000	Seed foundation is certified	Human food	Very white flour allows various industrial uses such as cakes, biscuit
	Sorghum Hybrid	Mali	GRINKAN YEREWOLO	3000	1000	Seed foundation is certified	Human food and Forage quality	Very white flour allows various industrial uses such as cakes, biscuit
	Sorghum	Nicaragua	ESHG-3				Grain Hybrid; Food Quality;	

							Macio PS Sorghum for Subsistence Varieties in Dry Areas of Nicaragua; Red Grain Sorghum Cultivar	
	Sorghum	Nicaragua	INTA Segovia	4.9ton/ha			Grain Hybrid; Food Quality; Macio PS Sorghum for Subsistence Varieties in Dry Areas of Nicaragua; Red Grain Sorghum Cultivar	
	Sorghum;Millet	Niger	L-724-C;New Generation of Hybrids was released:NE223 AX90SN-1;NE223AX 90SN-2;NE223AX90SN-3;NE223A X 90SN-4;NE223A XL-724-C;NE223AX P9405;NE223AX P9402;NE223A X Macia;NE223AX L-861;NE223A X SERIE of MDK-SU (all give good Hybrid)			5000T		
	Sorghum	Uganda	SES01	2205	1883	~3 t?	White grain, suitable for clear beer	
	Sorghum	Uganda	SES02	2137	1883	~3 t?	--ditto--	
	Sorghum	Uganda	SES03	2570	1883	~3 t?	Good storage	
	Sorghum	Zambia	ZSV – 36R	5 – 7 tons/ha	4-6 tons/ha	60 kgs	Red seeded OP variety, brewing	Ideal for bird prone areas in Regions I, II & III
	Pearl Millet	Zambia	Dola			2,500		
2012	Sorghum	Mozambique	03CS-GWT 115	2,300-3,500 kg/ha	600-1,000 kg/ha	Breeder 200 m ² Planted	Grain mold and drought resistant and stay green	Material still in the field and not yet

								submitted to committee of variety release; Suitable to semi-arid areas
	Sorghum	Mozambique	02CS-30932	2,300- 2,900 kg/ha	600-1,000 kg/ha	Breeder 200 m ² Planted	Grain mold and drought resistant and stay green	Material still in the field and not yet submitted to committee of variety release; Suitable to semi-arid areas
	Sorghum	Mozambique	04CS-523-2-1	2,500- 3,800 kg/ha	600-1,000 kg/ha	Breeder 200 m ² Planted	Grain mold and drought resistant and stay green	Material still in the field and not yet submitted to committee of variety release; Suitable to semi-arid areas
	Sorghum	Ethiopia	Melkam/WSV-387			20 basic and pre-basic seed	Drought tolerant and good for <i>injera</i> making	INTSORMIL Partially supported the national program
	Sorghum	Mozambique	S35	2,000- 4,060 kg/ha	600-1,000 kg/ha	Breeder 200 m ² Planted	Triple purpose, grain for food, steam for forage and juice for ethanol production	Material still in the field and not yet submitted to committee of variety release; Suitable for high rainfall areas
		Sorghum	Mozambique	KARI-MTAMA 1	2,200- 3,600 kg/ha	600-1,000 kg/ha	Breeder 200 m ² Planted	Triple purpose, grain for food, steam for forage and juice for ethanol production

ADDITIONAL COMMENTS:

- In 2012, Guatemala is scheduled to release varieties: 85 SCP 805 and ES-790 for intercrop with maize system of small farmers. Also CI0929 and CI0947 varieties both with "bmr" genes for cattle fodder.
- In the same year in Honduras is planned to release the 85 SCP 805 and ES-790 for intercrop with maize system of small farmers. Also CI0929 and CI0910 both with "bmr" genes for cattle fodder.
- Nicaragua will release varieties "bmr": CI0943 and CI0947 on May 15 next.
- These releases will be made in October 2012. Costa Rica and Panamá will release two bmr varieties at 2013.

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