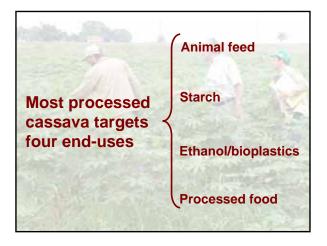


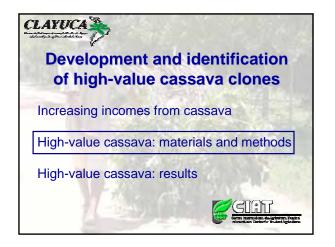
- Increasing producitivity Clones with high and stable yields Disease and pests management (i.e. biological control) Soil management. Terraces. Adequate fertilization.

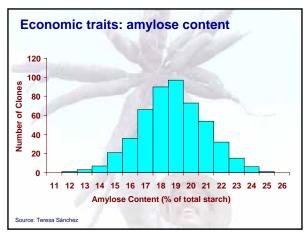
Reducing production cost Mechanization of planting and harvest Biofertilizers

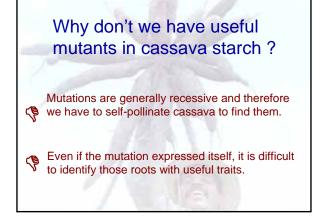
Efficient marketing

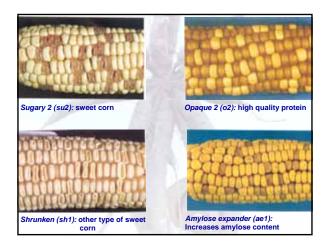
- Higher value for the products of the crop High-value products Exploitation of the foliage
- High-value clones





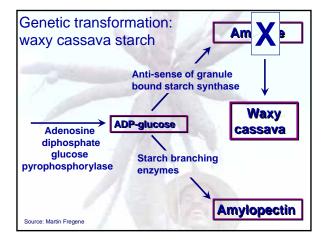




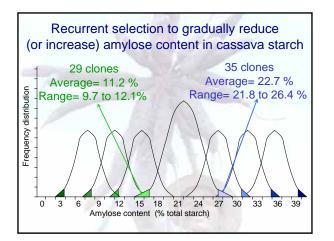




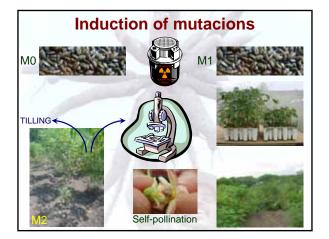






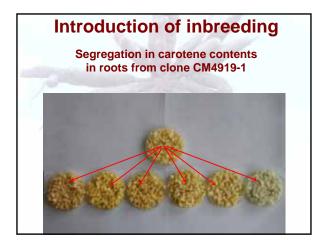






- 1. "Brute force": genetic transformation
- 2. The persistent approach: recurrent selection
- 3. The gambler's way: induced mutations & TILLING
- Following maize's "early fathers": fun in the inbreeding world

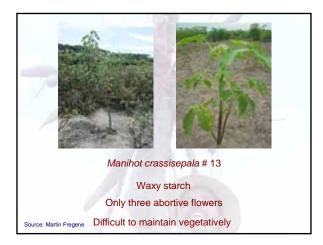


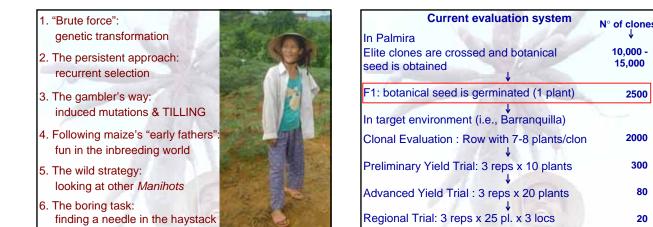




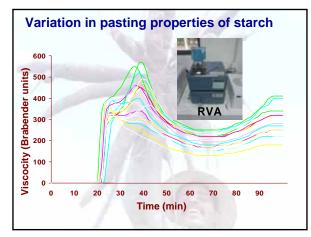
- 1. "Brute force": genetic transformation
- 2. The persistent approach: recurrent selection
- 3. The gambler's way: induced mutations & TILLING
- Following maize's "early fathers": fun in the inbreeding world
- 5. The wild strategy: looking at other *Manihots*

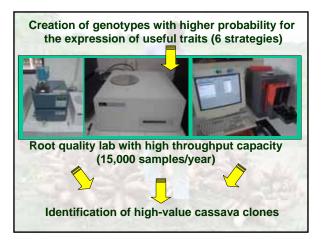




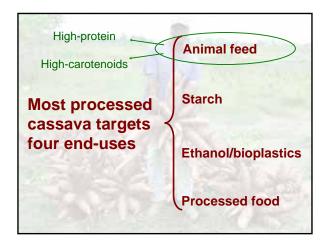


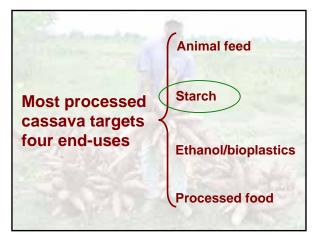




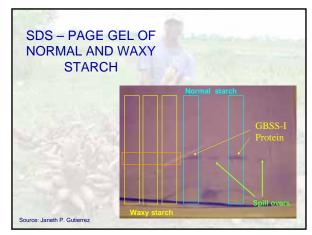


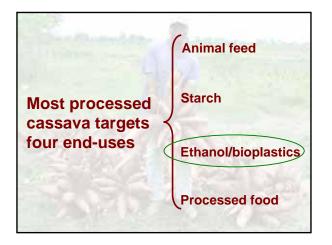


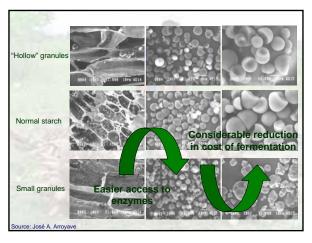


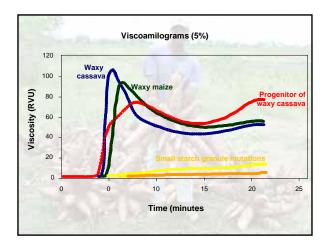












	Waxy	Waxy progenitor	Small Granules-1	Small Granules-2
DMC (%)	89.6	88.3	89.7	88.8
Onset gel (°C)	64.446	59.162	52.448	52.319
Peak gel (°C)	69.417	65.000	58.435	60.250
End gel (°C)	76.093	73.656	65.495	75.665
Delta H	19.421	14.906	7.360	11.275
End (°C)		80.744	79.329	80.118
Peak (°C)		84.883	83.883	84.467
Onset (°C)		87.239	87.502	87.547
Delta H		-5.778	-10.354	-7.639
Amylose DSC (%)	0.000	20.07	36.96	26.53
Water absorption (%)	2.23	4.97	4.95	5.03
Water solubility (%)	1.18	2.43	16.48	15.44
Swelling power (%)	2.22	4.97	4.87	4.95
Clarity	49.30	39.45	17.00	26.00
Easy cooking (min.)	3.36	5.61	3.98	6.26
Max. viscosity (RVA)	100	71	4	8
Gel instability	58.25	17.33	1.50	1.25
Gel. index	3.75	15.17	1.33	4.17

