






**Cotton situation in Colombia.** Cotton growers association – Conalgodon (June 2015)

1. Brief Colombian agricultural data
2. Cotton production systems and technologies
3. Recent advances and future developments



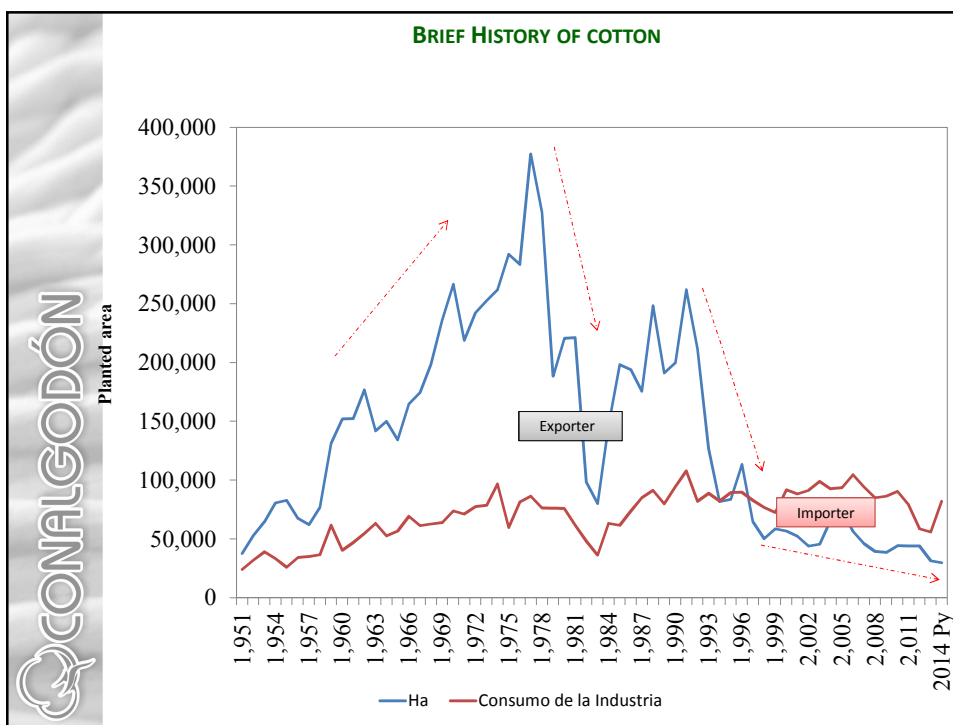
**Major Crops Grown in Colombia** 

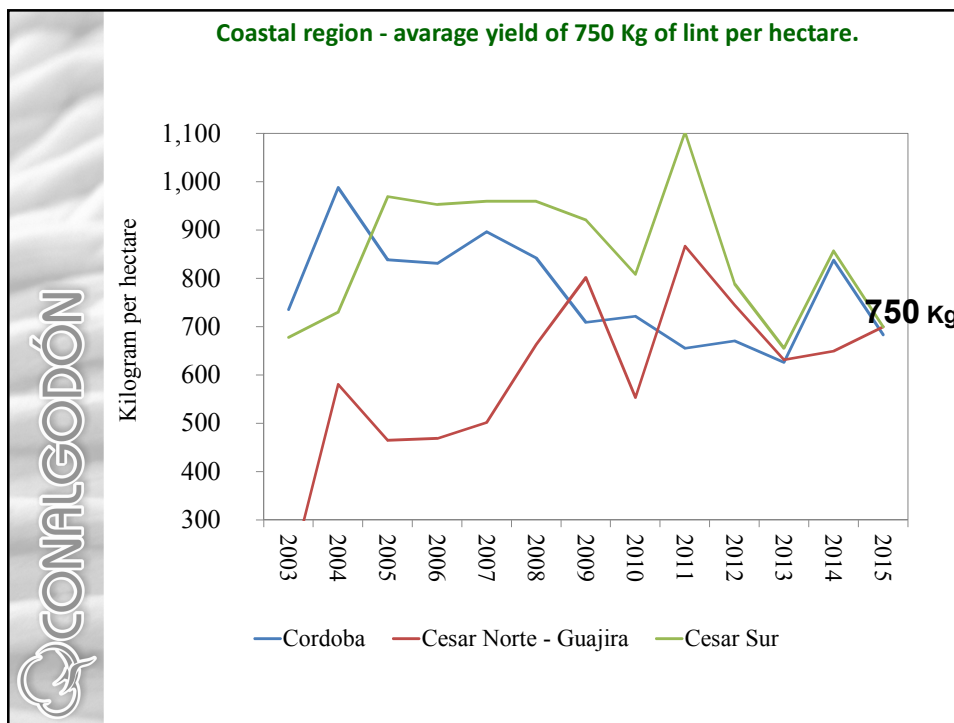
Crop	Planted area (Ha)	% Participation in World production	Trade
Coffe	974,011	7.3%	Exp
Corn	636,457	0.2%	Impo
Rice (Paddy)	528,141	0.3%	Non trade
Palm Oil	476,781	0.4%	Exp
Sugar Beets*	469,536	0.9%	Exp
plantain	446,935	8.7%	Non trade
Fruits + Vegetables	339,096	0.2%	Non trade
Potato	161,615	0.6%	Non trade
Cocoa Beens	152,400	1.0%	Non trade
Cassava	234,289	0.1%	Non trade
Banana	49,206	1.7%	Expo
Cotton	31,000	0.1%	Impo
Flowers	6,797	10%	Expo
<b>Total</b>	<b>4.700.000</b>		

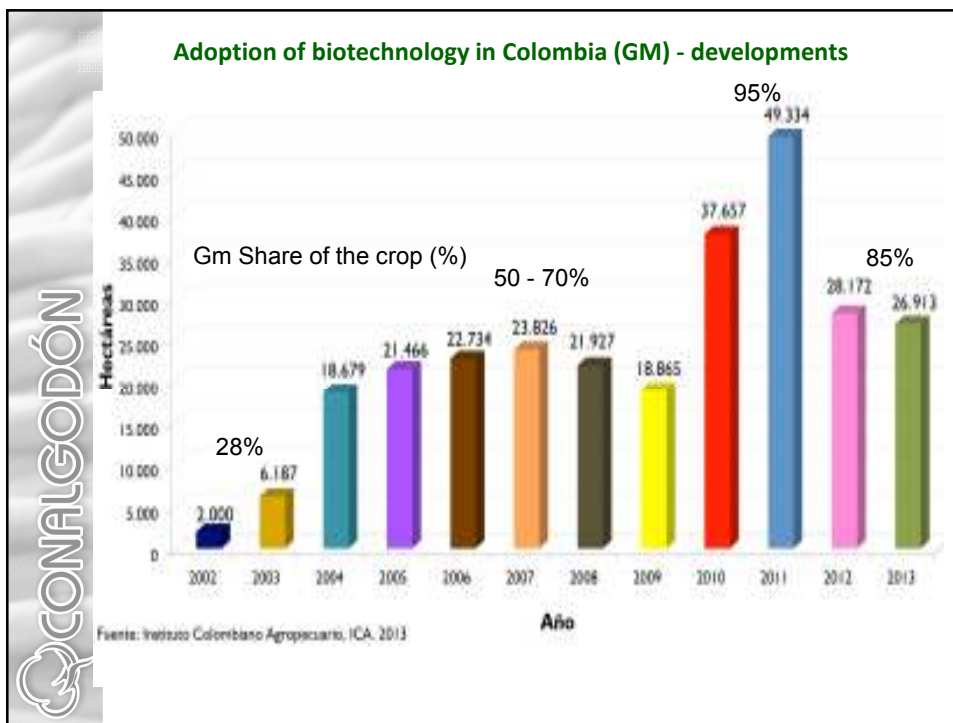
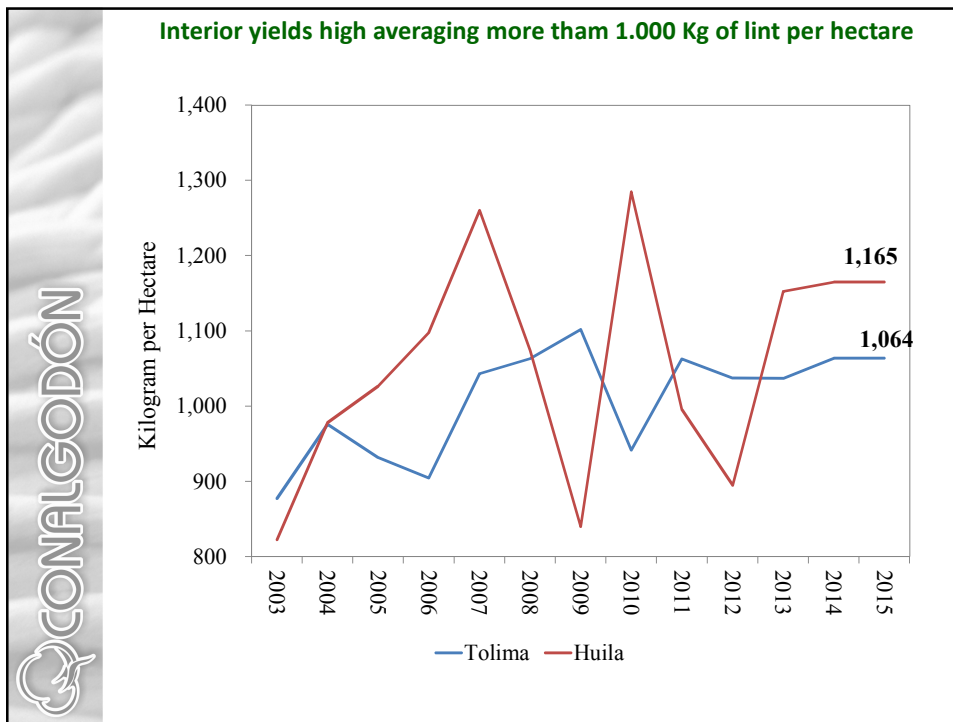
Source: Minister of Agricultur, 2013 FAO.

**Current and potential arable land**

<u>Colombian surface</u>	<u>114</u>	<u>%</u>	
Non agricultural	76.5	67.1%	
Agricultural use	37.5	32.9%	
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			<b>Potential use</b>
Crops	4.5	----->	14.5
Seasonal Crops	1.6		
prennial crops	2.9		
Forests	3.1		3.1
Livestock	30.0		19.4







Production systems in Colombia			
	Coastal region: Cordoba	Interior region 1 Tolima: Espinal - Naragaima	Interior region 2 Huila
total area planted (Ha)	17.000	9.600	2.000
Average lot	15	25	15
Average monthly precipitation during planting time	3 - 6 Inches (Rainfed)	3 - 4.4 Inches (Rainfed)	2 - 3 Inches (Irrigation)
Planting to Harvest (Days)	120 - 130	120 - 130	120 - 130
Rotation system (doubled cropped)	Corn	Corn - Rice	Corn - Rice
Yield (cotton seed) (Kg per hectare)	2.200	3.100	3.800
cotton seed /Lint ratio	35%	37%	37%
Lint yield (Kg per Ha)	770	1.147	1.406

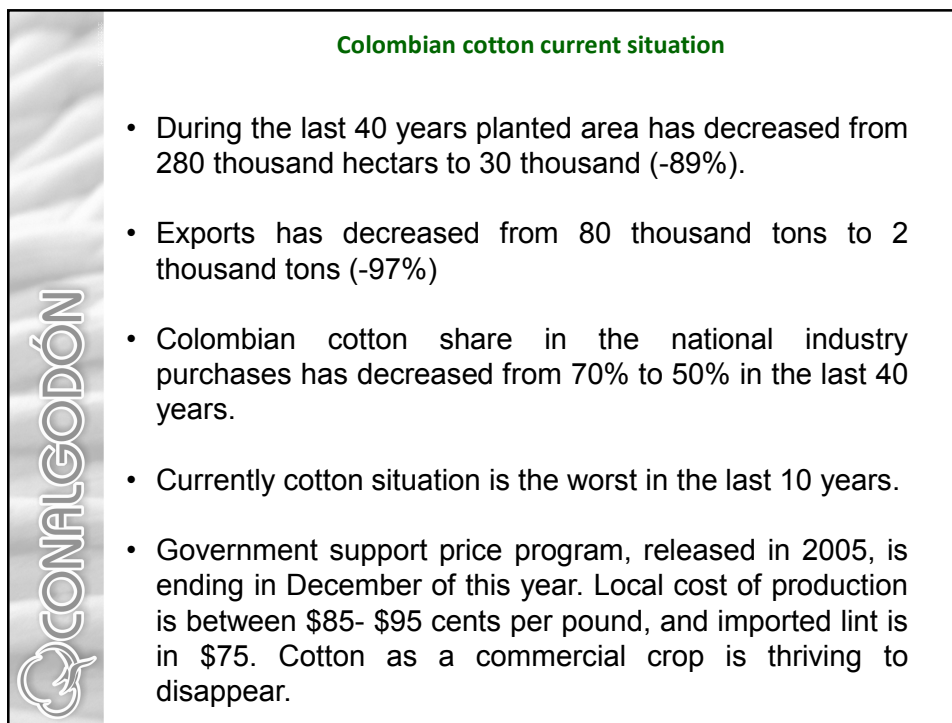
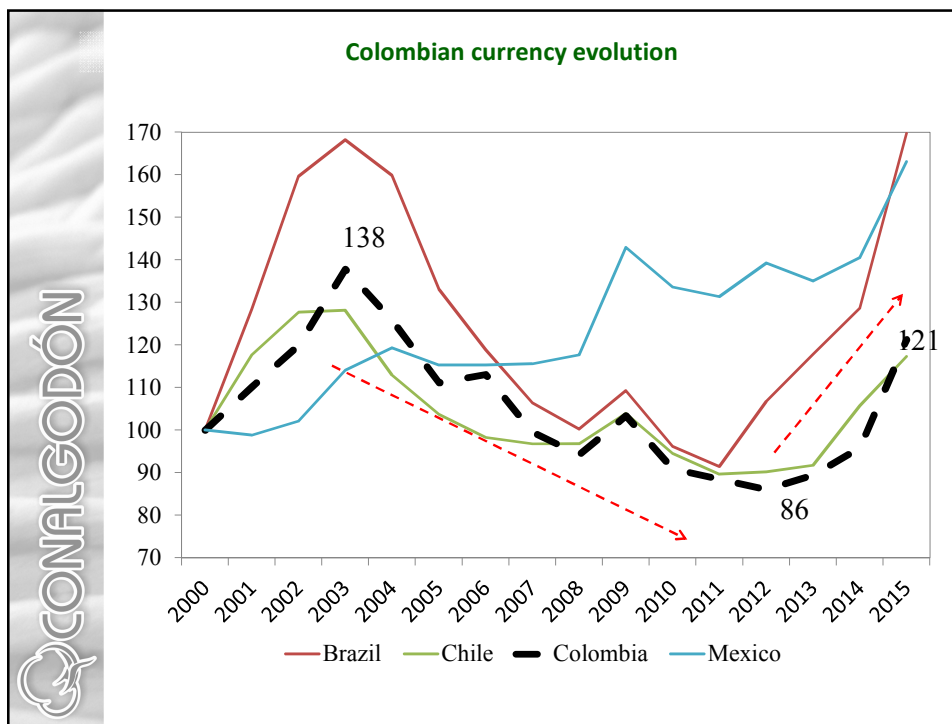
	Coastal region: Cordoba	Interior region 1 Tolima: Espinal - Naragaima	Interior region 2 Huila
Seeding rate (Kg per Ha) - Biotechnology	11,5	9,5	9,5
Fertilizer, conditioners, manure) not including soil corrective (Kg per Ha)	320	450 - 500	500 - 600
Herbicides (Round UP) (by hand) per ha	3.5 lt	3.5 - 4 lt	4 lt
<b>Insecticides</b>			
Picudo (Fipronil)	4 LT	3 LT	3 LT
<b>Fungicides</b>			
TOP GUN	0.5 Lt	0.5 Lt	0.5 Lt
Amistar Top	0.5 Lt	0.5 Lt	0.5 Lt
growth regulators (PIX) (Lt)	0,35	0,35	
defoliantes (Drop) (Lt)	0,3	0,3	

**Production systems in Colombia**

Cost of production	Coastal region: Cordoba	Interior region 1	Interior region 2
Land rent for cotton (us per Ha)	\$ 200	\$ 288	\$ 400,
Land preparation (Mechanically)	\$ 35	\$ 144	\$ 164
Sowing (Mechanically)	\$ 32	\$ 32	\$ 44
Seed Biotechnology	\$ 200	\$ 188	\$ 184
Irrigation	\$ 8,0	\$ 80	\$ 60
Fertilizer	\$ 214	\$ 448	\$ 448
Insecticide	\$ 250	\$ 100	\$ 192
Herbicide	\$ 34	\$ 46	\$ 51
Fungicide	\$ 40	\$ 32	\$ 50
Growth regulator, defoliant	\$ 43	\$ 53	

**Diferent production systems in Colombia**

Cost of production	Coastal region: Cordoba	Interior region 1 Tolima: Espinal - Naragaima	Interior region 2 Huila
Harvesting (Including Transportation to gin factory)	\$ 379	\$ 388	\$ 524
Ginning (Including bagging)	\$ 277	\$ 454	\$ 356
Economic Cost (Managment, administratives, overheads interest on capital invested stick cutting/slashing)	\$ 134	\$ 164	\$ 210
Total cost per hectare	\$ 1.847	\$ 2.417	\$ 2.683
Seed Value (us per ha)	\$ 184	\$ 259	\$ 318
<b>Lint Cost Ctls. Us Pound</b>	<b>98,0</b>	<b>85,3</b>	<b>76,3</b>



**MSP versus international price**

	LCU (\$cop/tonne)	Exchange rate	MSP (Ctvs us poud)	Average New York Price	Diference
2005	\$ 4.100.000	2.321	\$ 80,1	50	\$ 29,8
2006	\$ 4.250.000	2.361	\$ 81,6	52	\$ 29,5
2007	\$ 4.300.000	2.078	\$ 93,8	57	\$ 36,7
2008	\$ 4.300.000	1.968	\$ 99,1	64	\$ 35,6
2009	\$ 4.800.000	2.158	\$ 100,9	57	\$ 43,8
2010	\$ 5.000.000	1.899	\$ 119,5	94	\$ 25,4
2011	\$ 4.650.000	1.848	\$ 114,1	137	\$ (22,9)
2012	\$ 5.185.000	1.797	\$ 130,9	81	\$ 50,4
2013	\$ 5.045.000	1.869	\$ 122,5	83	\$ 39,1
2014	\$ 5.045.000	2.002	\$ 114,3	74	\$ 39,8
2015	\$ 5.045.000	2.532	\$ 90,4	63	\$ 27,5

**MSP versus international price**

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**Colombian cotton current situation**

Government and the cotton growers association are working on the following strategy:

A plan to gain competitiveness;

Machinery; provides machinery banks. Mainly tractor with the following tools; i) sowing and land preparation tools, 2) harvesters. Estimated cost of each tractor \$250 thousand dollars (second hand).

Promote and support the arrival of international seed companies in the local market. In the short term is difficult to develop local advances in our own seed. Seed corporation laws don't allow joint ventures with local companies, in order to share biotechnology and varieties.

Satellital soil analysis. It worth \$30 us dollars per hectare. Prevent the excessive use of fertilizers..

**Colombian cotton current situation**

Irrigation systems. 1) perforation, 2) canals, spreading: central pivots.

Updating skills of agronomic cotton engineers and joint venture with universities to upgrade knowledge.

**Concerning to the Minimum suport price, Conalgodon is sugesting the government to maintein the aid for 5 more years, deacresing the support price to \$85 us cts per pund in 2020.**