

KLEENTEK OPERATION SNAPSHOT

- **Two Labs on campus of LSU**
- **Two greenhouses in Louisiana**
- **Primary seed nurseries - (50acres)**
- **Secondary –contract seed farms - (9)**
- **Eight full time employees**





PRESENTATION SUMMARY

- **Variety picture**
- **Disease Pressure**
- **Quality control**

CURRENT VARIETY LIST:

FLORIDA

- CP72-2086
- CP73-1547
- CP78-1628
- CP80-1743
- CP84-1198
- CP88-1762
- CP89-2143
- CP89-2376
- CP96-1252
- CP96-1602
- CL77-797

ENERGY VARIETIES

L79-1002

Ho00-961

US 01-12

LOUISIANA

- LCP85-384
- Ho95-988
- HoCP96-540
- L97-128
- L99-226
- L99-233
- HoCP00-950
- L01-283
- L01-299
- CP89-2143

CURRENT LOUISIANA VARIETY LIST:

- L97-128
- HoCP 96-540
- Ho 95-988
- L99-226
- L99-233
- CP89-2143(EXP)
- HoCP00-950(NR)
- L01-283 (NR)
- L01-299 (NR)



R. Justice farms, 6/29/06

KT L99-233

KT L99-226







SYSTEMIC DISEASES



SMUT MANAGEMENT

HEALTHY SEEDCANE

**SEED PLOT BUFFERING
WITH RESISTANT VARIETIES**

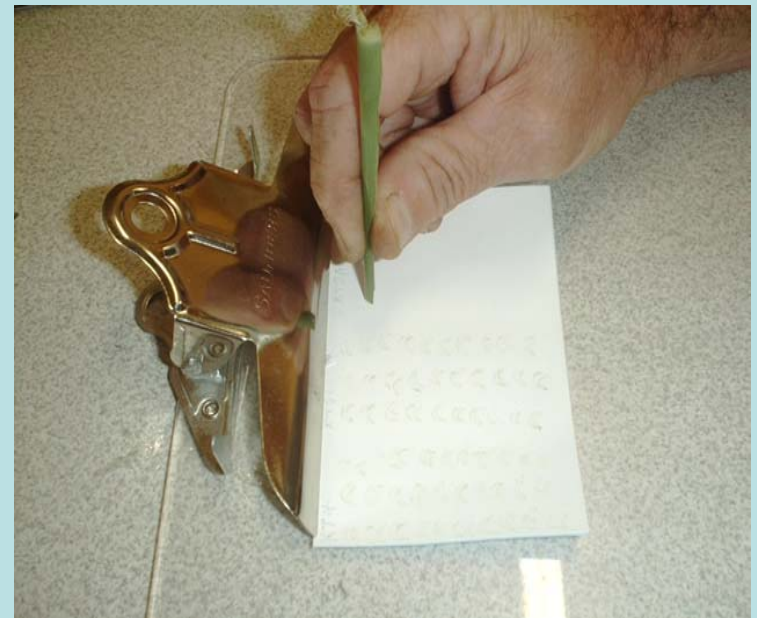
COSMETIC VS ECONOMICAL



- Sugarcane Yellow leaf virus (ScYLV) symptoms



- Imprinting midrib onto nitrocellulose membrane for tissue blot assay



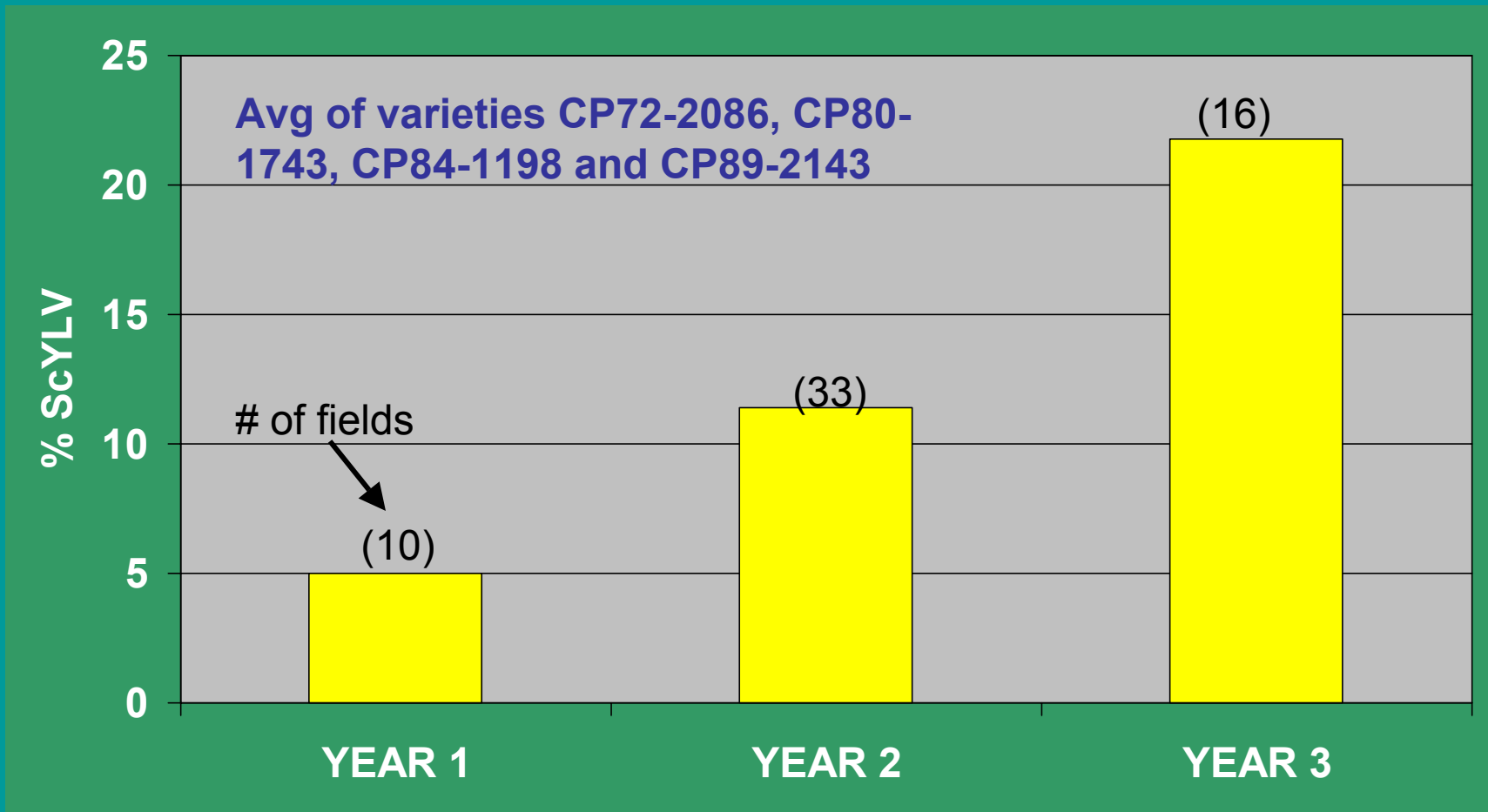
State-wide Survey 2001

Survey Region	# positive/ # stalks	% SCYLV Infection
Central	13/251	5.2%
Upper River	38/349	10.9%
Lower River	7/301	2.3%
Lafourche	34/302	9.7%
Upper Teche and Western	29/300	9.7%
Lower Teche	1/300	0.3%
Southwest	25/303	8.3%
All Fields	147/2106	7.0%

Sugarcane yellow leaf Infection in Florida commercial fields (non-KT)

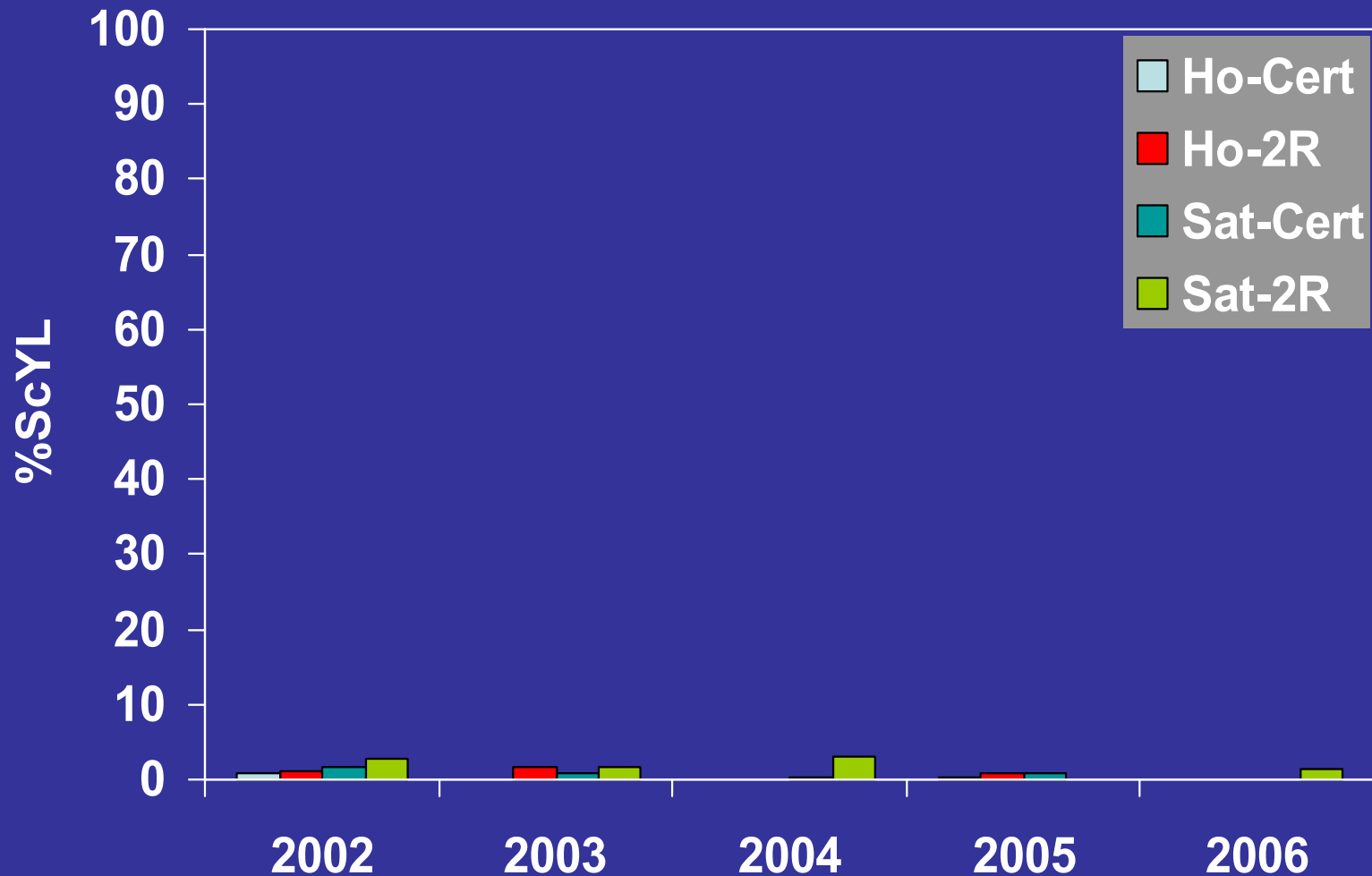
VARIETY	# FIELDS	% INFECTION
CP72-1210	2	100
CP72-2086	3	90
CP78-1628	2	100
CP80-1743	9	86
CP84-1198	7	97
CP88-1762	3	89
CP89-2143	9	95

RATE OF YELLOW LEAF SPREAD INTO KT PROGENY

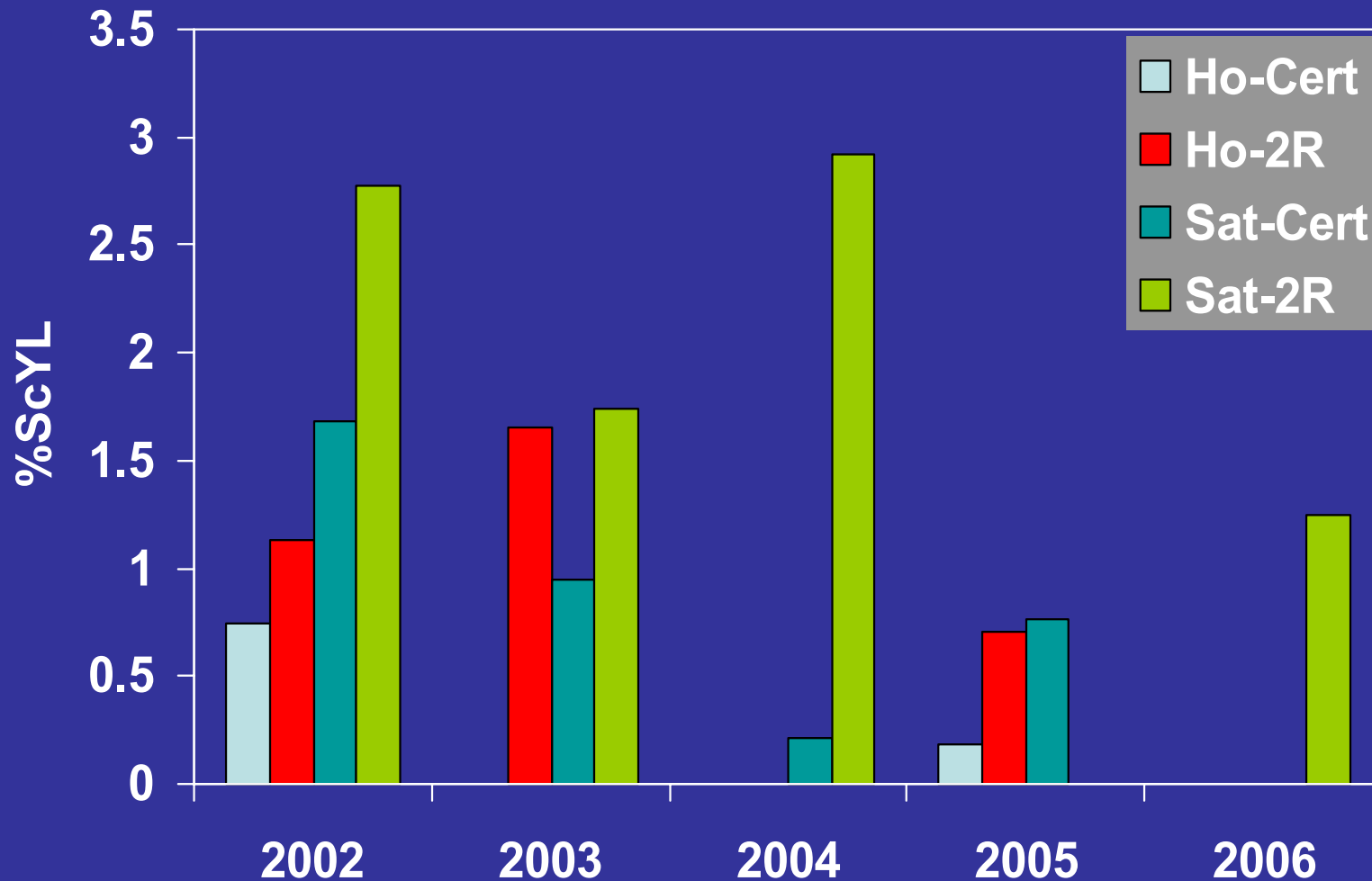


**SCYLV AS AN INDICATOR OR
CROP HEALTH AND
EFFECTIVE SEEDCANE
PROGRAM**

Sugarcane Yellow Leaf Incidence at Kleentek Seed Plots, 2002-6



Sugarcane Yellow Leaf Incidence at Kleentek Seed Plots, 2002-6



Varietal Comparison of YLD in 2nd Stubble Seed plots, 2006

	LCP85-384	H095-988	HoCP96-540
# farms	7	6	6
% YLD-farms	14.3	16.7	50.0
# plants	140	120	120
%YLD- plants	0.7	0.8	5.0





**SOMOCLONAL
VARIATION -
“MUTATIONS”-**

**1993
EXPERIMENT,
CP 70-321 -
26.7% LOSS**

**1999-2001
EXPERIMENT,
LCP85-384 -
9.1% LOSS**



KT L97-128

Levert St. John, 6/27/06

ST L97-128



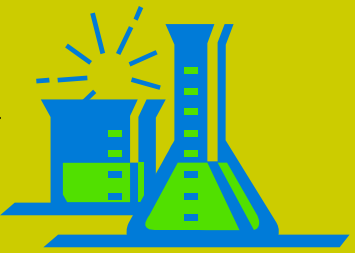
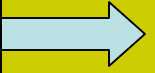
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Breeding program



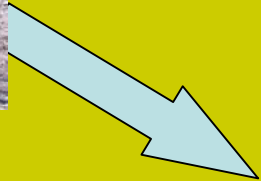
KT LAB



**Plantlet
increase
nursery**



Seed Farm



**Seed
Distribution**



THANKS!

