

**AIMCRA**  
 ASOCIACIÓN DE INVESTIGACIÓN PARA LA PROTECCIÓN  
 DEL CULTIVO DE LA HANDELSON AZUCARERA

## IIRB Seminar

### 'Advances in combined weed control' Projects to reduce the use of herbicides

**Is there nothing more to say about  
 weed control?**

J. Ayala & A. Pérez


13<sup>th</sup> May 2011, Sancourt (F)



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## Index

- Why we have to control weed?
- What's the current scenario and what are tendencies for the next future?
- How to improve (and fulfill the Directive)?



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## Why we have to control weed?

Competition, for instance in:


- yield losses
- water, light, nutrients
- harvesting
- control costs
- host of pest and diseases
- restore the seeds reservoir...



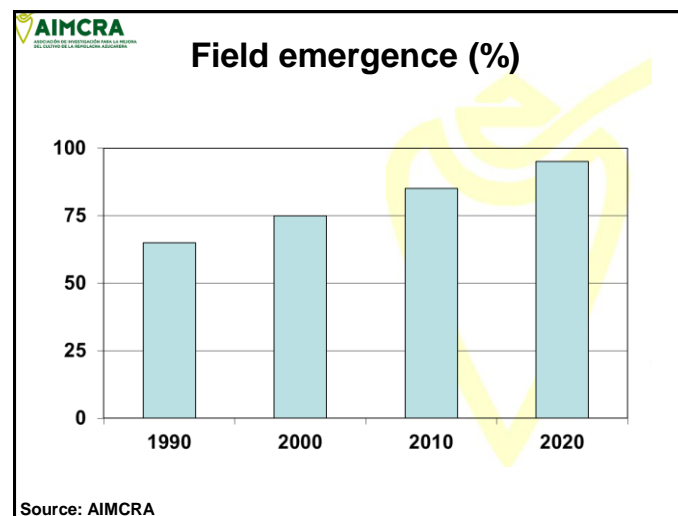
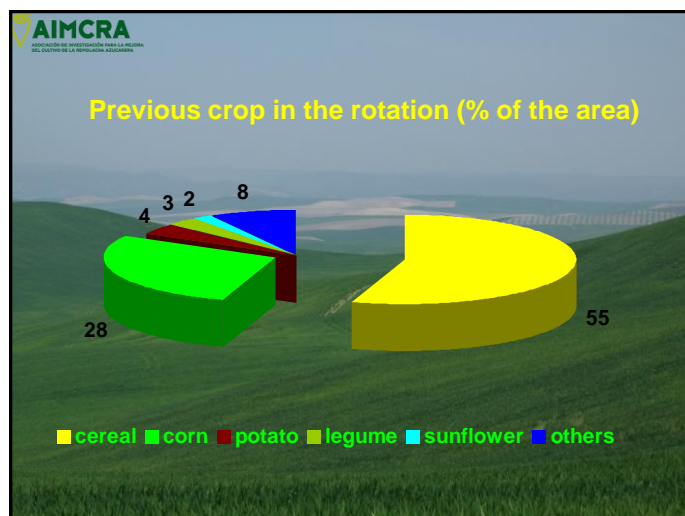
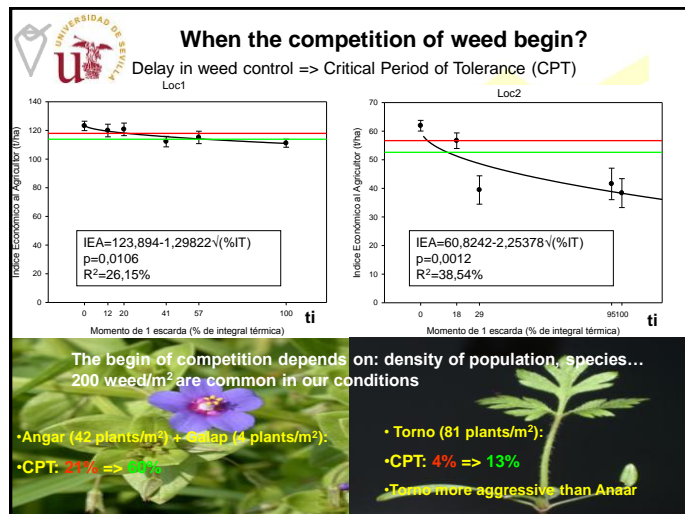
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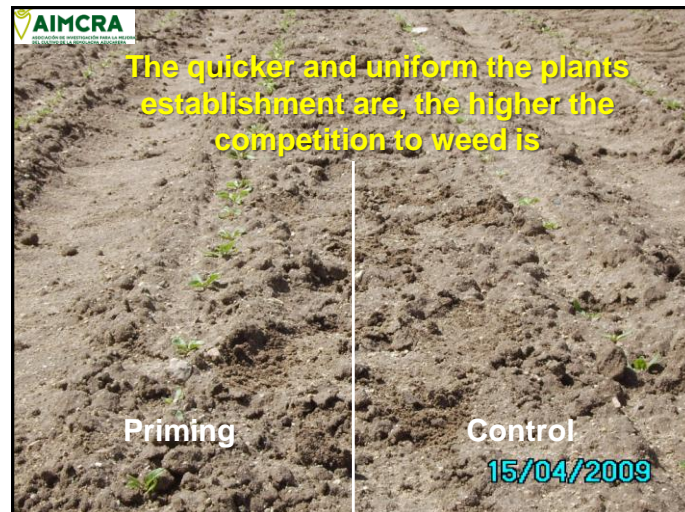
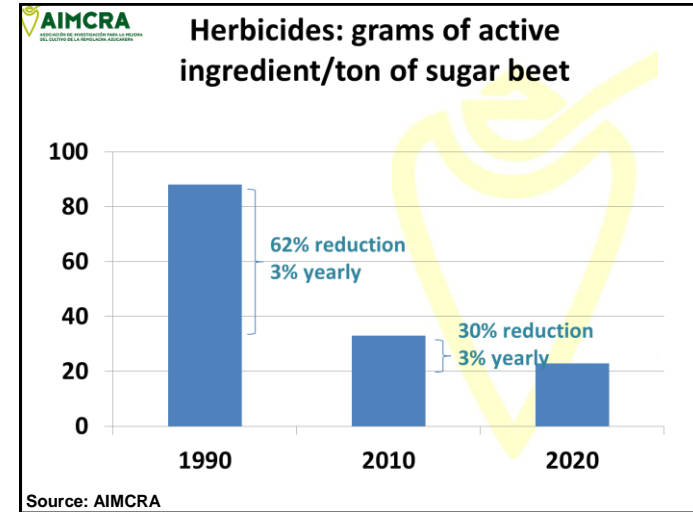
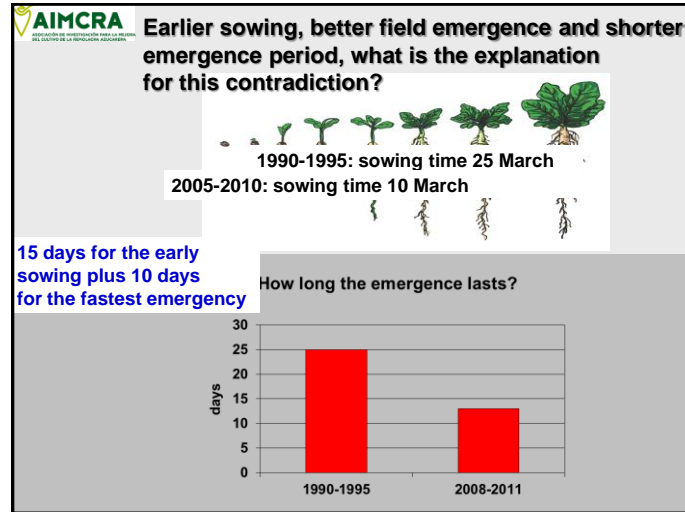
## Competition of weed: yield losses

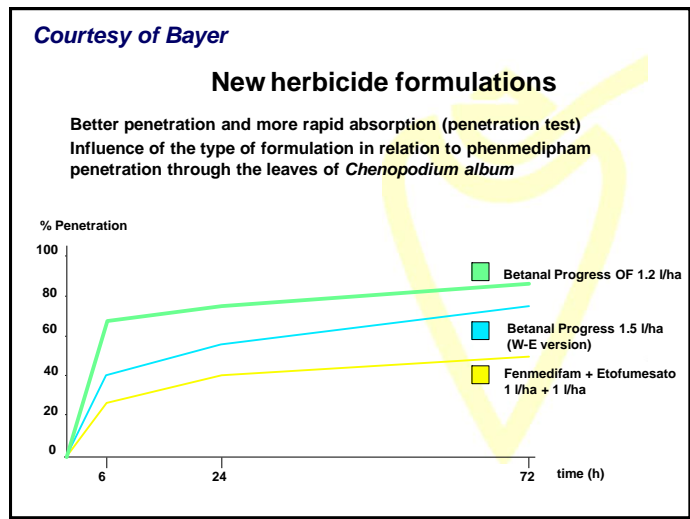
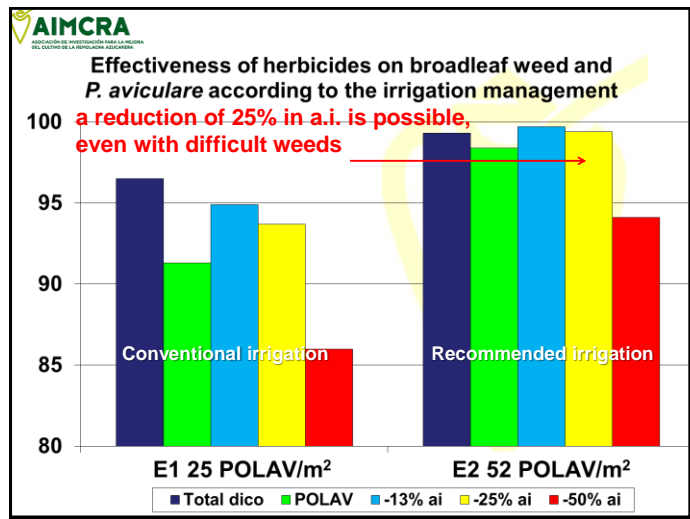
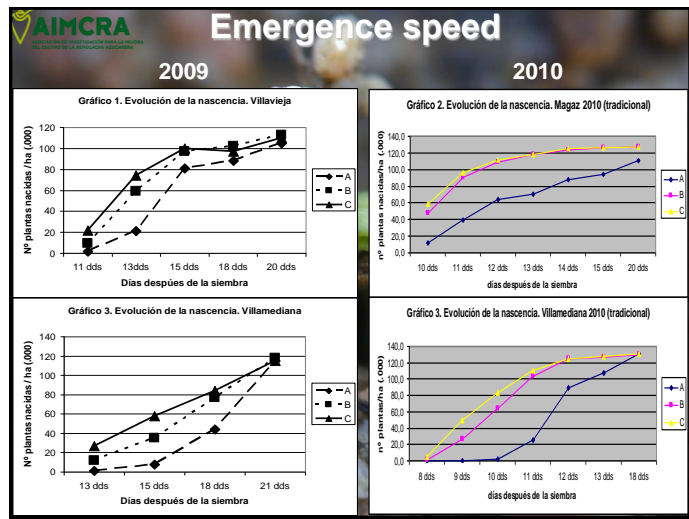
Yield (t of 16<sup>th</sup>/ha) according to the time free of weed competition



Treatment	Time free of weed competition					
	Apr	May	Jun	Jul	Aug	Sep.   Oct
1 Free of weed	200					
2 Natural weed infestation	0					
3 Clean till May			30			
4 clean till June				60		
5 clean till July					90	







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### Some ideas to discuss

**Weed control is a package of measures  
 all of them are important  
 and should be used in a chained way**

**Sugar beet is a good competitor when leaves cover the soil,  
 but needs for help in the beginning**

**Complementary tools are necessary to fulfill UE rules for  
 integrated management**



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### How to improve (and fulfill the Directive)?

- To plan weed control throughout the rotation**
- Checking of the sprayers**
- To educate and training farmers and technician**
- Demonstration fields**
- Treatment thresholds**