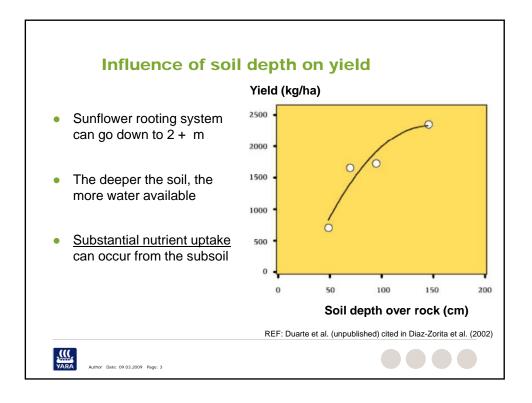
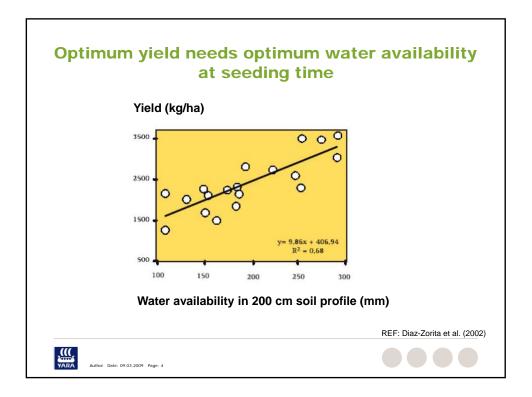
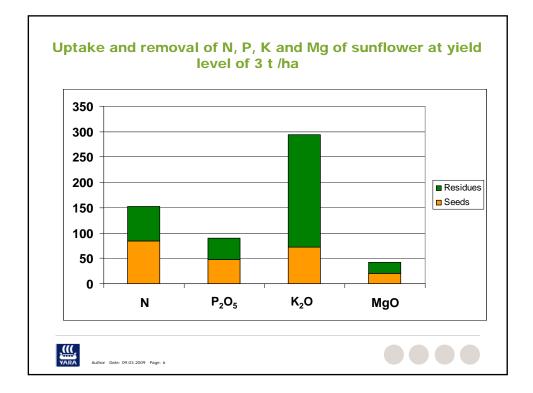


Country	Area (1000 ha)	Country	Area (1000 ha)
1. Russian Fed	5 003	11. Myanmar	540
2. Ukraine	3 411	12. France	534
3. Argentina	2 351	13. Hungary	505
4. India	1 880	14. Kazakhstan	350
5. China	1 020	15. South Africa	316
6. USA	813		
7. Romania	749		
8. Bulgaria	602		
9. Spain	601		
10. Turkey	552		



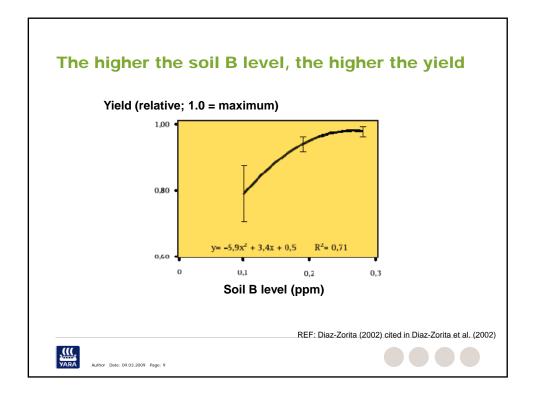


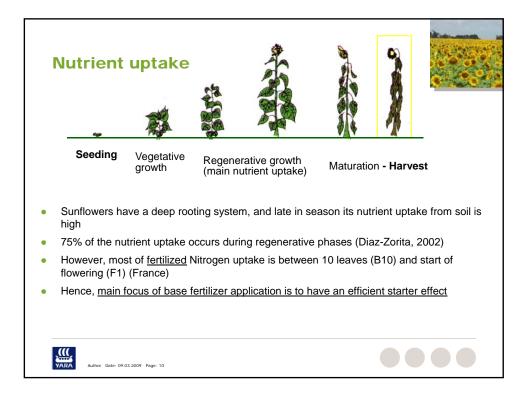
ource	Country		N	P ₂ O ₅	K₂O	MgO
TBL (2005)	Germany	Removal, seeds	28	16	24	6,6
		Seeds + side products	51	30	98	14



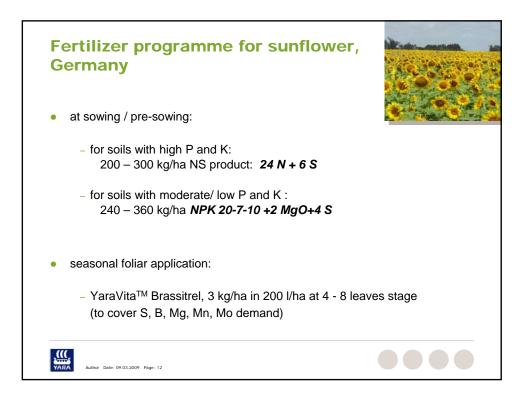
Source		Cu	В	Fe	Mn	Zn
Merrien, (IFA, 1992)	Uptake	59	396	732	412	348
	Removal	25	80	106	42	148
	Coodt	o remembe	er about mic	ronutrients		

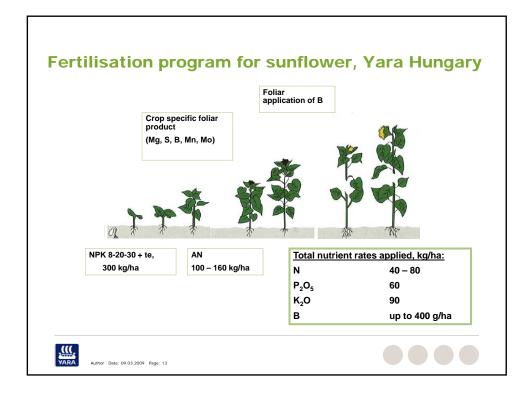






rate is up to 50% the		
	Yield target:	Yield target:
NO ₃ -N in soil (kg/ha)	2.5 t/ha	3.5 t/ha
	(shallow soil)	(deep soil)
30	40 - 80 kg/ha	> 80 kg/ha
(low)		
60	< 40 kg/ha	40 - 80 kg/ha
(medium)		
90	0	< 40 kg/ha
(high)		
N applicatior	at sowing or 8-10 leave	es stage



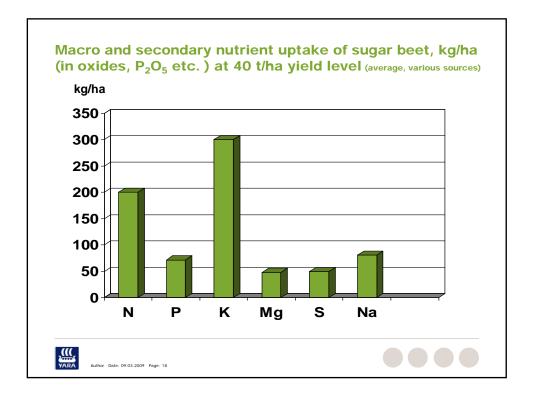


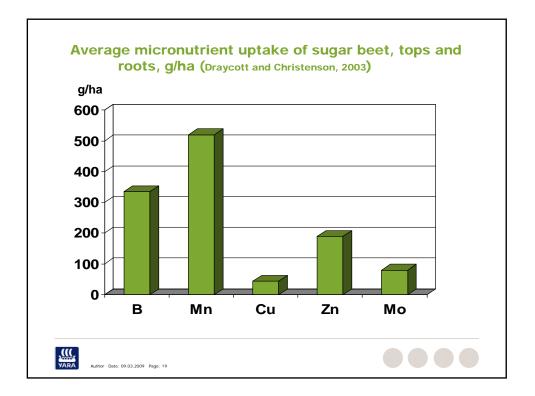




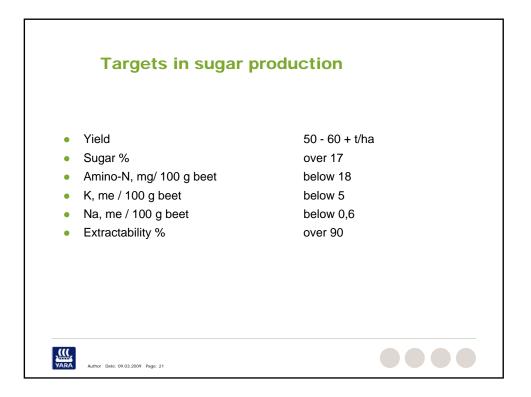
Country	Area (1000 ha)	Country	Area (1000 ha)
1. Russian Fed	992	11. Egypt	104
2. Ukraine	577	12. Belarus	94
3. USA	504	13. Italy	85
4. Germany	403	14. Belgium	83
5. France	394	15. Netherlands	82
6. Turkey	299		
7. Poland	247		
8. China	216		
9. Iran	160		
10. UK	122		

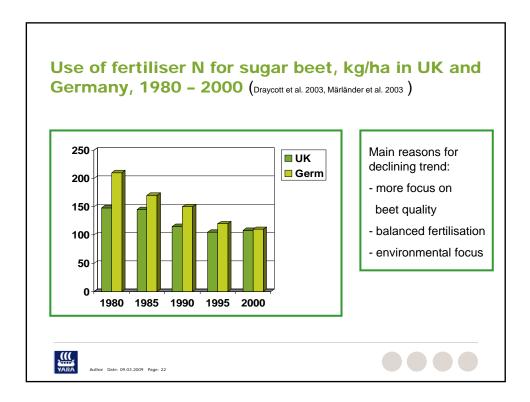


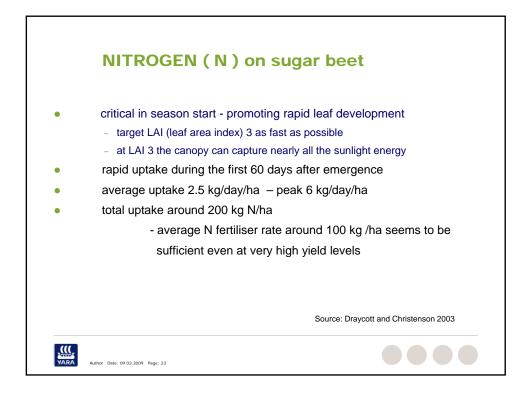






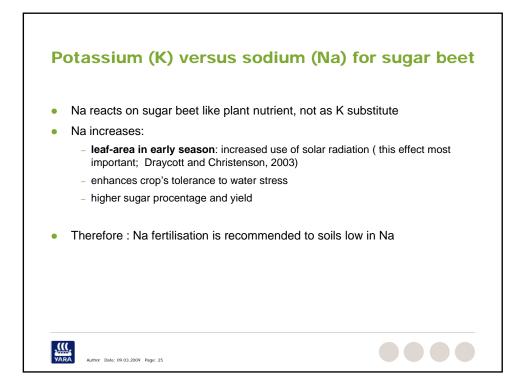


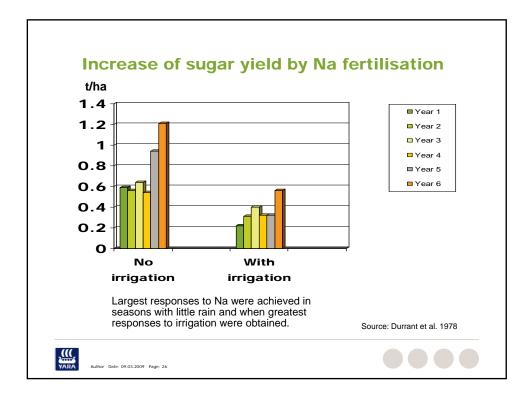




K fertiliser recommendations in some European
countries when soil K class is medium

Country	Application rate, K ₂ O, kg/ha	Application time
Benelux	290 – 380	in autumn or winter as MOP
Denmark	180	to seedbed in spring
France	190	to seedbed in spring
Germany	290 - 380	in autumn or early spring (MOP) or to seedbed in spring as NPK
Poland	60 – 140 (with manure)	in autumn or to seedbed in spring
UK	75 – 100*	to seedbed in spring
	* maintenance	
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Nutrient	low pH	<u>high pH</u>	optimum pH
Manganese	+++		< 6,5
Boron	+	_	< 6,3
Zinc	+	_	< 6,5
Copper	+		5 - 7
Iron	+++		< 6,0
Molybdenum	-	+	> 5,5
-	t is grown on soils v ent availability may o	•	

