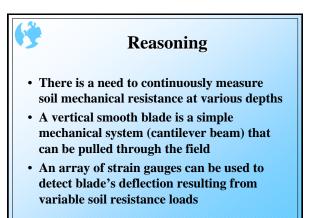
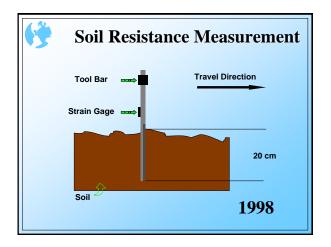
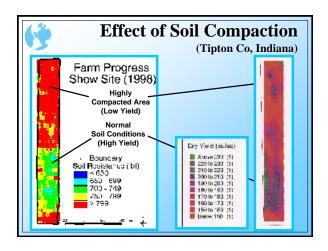
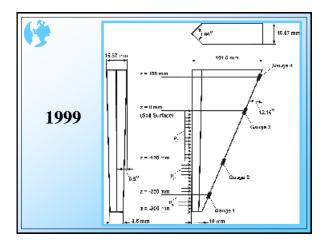


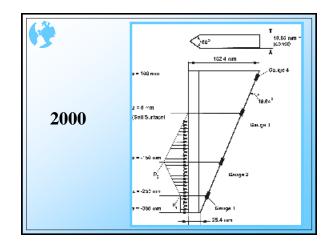
July 30, 2001

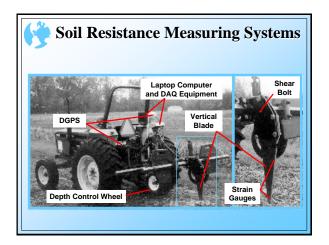


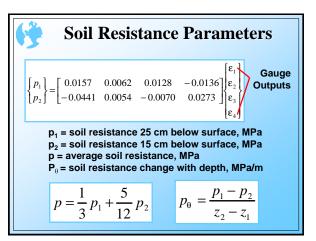


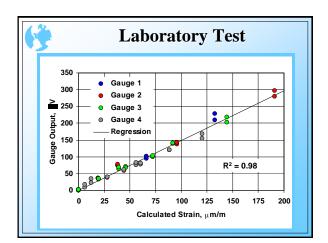


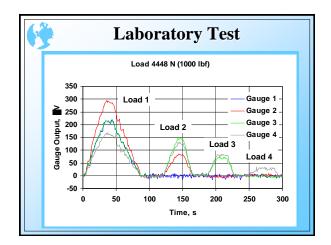


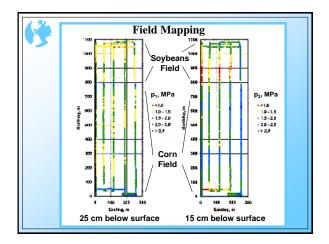


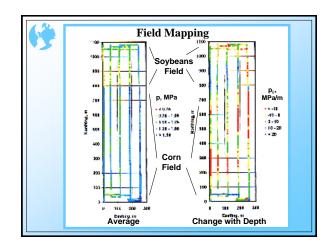


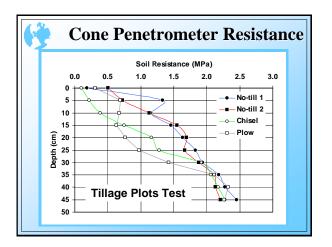


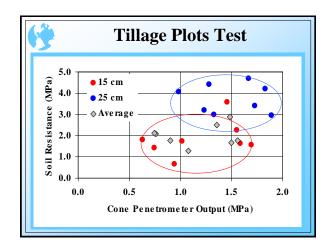




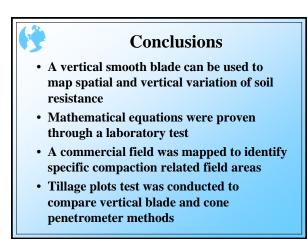








Tillage Plots Test								
Tillage	Moisture	Cone Penetrometer			Soil Resistance Measuring System			
Plot	%	25 cm	15 cm	Avg.	p1 (25 cm)	p ₂ (15 cm)	р	p ₀
		MPa	MPa	MPa	MPa	MPa	MPa	MPa/m
			Tes	st 1 (04	/16/01)			
Chisel	24	1.3	0.7	0.8	4.4	1.4	2.1	30
No-till 1	28	1.8	1.5	1.5	4.2	3.6	2.9	6
No-till 2	28	1.7	1.6	1.4	4.7	2.3	2.5	24
Plow	27	1.0	0.6	0.7	4.1	1.8	2.1	23
			Tes	st 2 (04	/20/01)			
Chisel	25	1.3	0.9	1.1	3.0	0.7	1.3	23
No-till 1	26	1.7	1.7	1.6	3.4	1.6	1.8	18
No-till 2	26	1.9	1.6	1.5	3.0	1.6	1.7	13
Plow	27	1.2	1.0	0.9	3.2	1.7	1.8	15



Future Work

- Depth control
- Eliminating plant residues
- Data collection improvement
- Moisture and travel velocity compensation
- Usage of soil resistance maps
- Agroeconomic evaluation

