



Roundtable discussion EWRS-PWC Pisa 2002

Weed prevention and control in controlled traffic systems

Suggested topics

- Who is (going to be) involved in research projects concerning any kind of controlled traffic?
 - What is your research focus? (technical implementation; soil structure, yield, energy; advantages for weed management, ...)
 - Which weed control and prevention techniques **will** you use?
- Which techniques **could** be used?
 - Is controlled traffic and tillage absolutely required?
- Future research needs with respect to weed management
 - Identification
 - Which ones would not necessarily require a working system?
 - Items for future collaboration
- ...

Types of traffic systems

System	Traffic	Tillage
1	Random	Full-field
2	Temporal lanes	Zoned
3	Permanent lanes	Full-field
4	Permanent lanes	Zoned

Possible Prevention, Control and Facilitation

Measure	Type	System
Intercropping	P	2=3<4
Precision nutrient placement & management	P	4
Variable tillage depth -> weed burial period	P	3=4
Bury weed seeds in vertical slots	P	4
Strip tillage & residue handling	C	2<4
Precise steering and depth control	F	2<3<4
Improved trafficability / timeliness	F	3=4
Improved soil workability / timeliness	F	3<4
...		