

CTF in organic farming

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Seasonable CTF



Why CTF?

- Less soil compaction, better soil structure
- Growing in non trafficked soil, less risk
- More nutrients thru mineralization
- Drilling is more precise, youth growth is better
- Less weed
- Better yields
- More workable days



Why in organic farming?

- More passes for weed control and seedbed preparation
- Perfect youth growth is essential for mechanical weed control
- Uniform seedbed is advantage for machines for weed control
- Non trafficked soil -> more mineralization
- More workable days are more useful than in conventional farming
- More yield in some crops
- Healtier soil healtier plants



Results crops

Crop yield SCTF relative to yield LGP (= 100)

year	реа	onion	carrot	spinach
2002	131			
2003		100	93	107
2004		98	104	115 (142)
2005		110	102	102 (117)

No difference in crop quality

No differences noticed in attack by diseases



Bron: Plant Research International

CTF in the early years

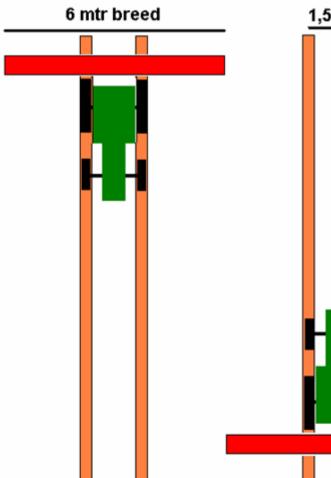
- More workable days
- More O2 in the soil
- Less fuel
- Appr 10% higher yield
- Beter soil structure

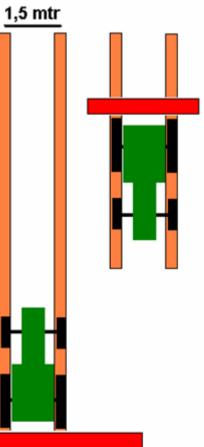






Light tractor, 6m working width







Applying slurry from traffic lanes





















Conservation Agriculture in Organic

Often CTF farms!

- More bearing capacity
- Ploughing does not fit in CTF

And afcourse the known effects CA:

- Better soil structure
- More water infiltration
- More soil life

- Better for erosion
- Weeds can be a problem (can be advantage to)
 - Some other problems (e.g. Delia Platura)





CTF and CA: 1+1=3?

- With CTF, tillage is less necessary
- CA works better without compaction
- Traffic lanes remains in place
- Traffic lanes are very usefull for managing CA

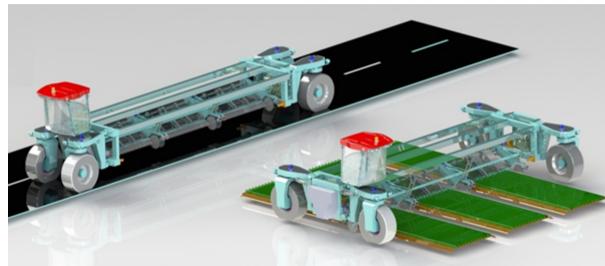
One leads to the other!

CTF in organic

- A lot of clear advantages
- A lot of hidden advantages
- Not everone is convinced
- 3m+ system is not always easy to use (roads, contractors) however is the most logical system
- 1,5m system is not always easy but it is possible
- CTF do not have more costs for machines and tractors
- sCTF is good, CTF is better
- CA and CTF is a good combination
- Still improvements in CA and CTF



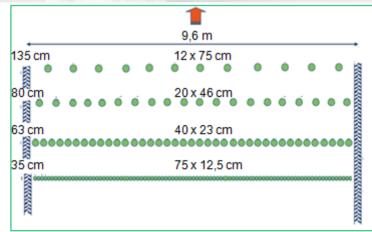
Wide Span – the ultimative CTF solution



Interest in Wide Span?

User survey. Contact: Hans Henrik, Aarhus Uni: hanshenrik@ctfeurope.eu Ph: 2171 7737

CAD: ASA-Lift



Planned system at Brdr. Kjeldahl, Samsø