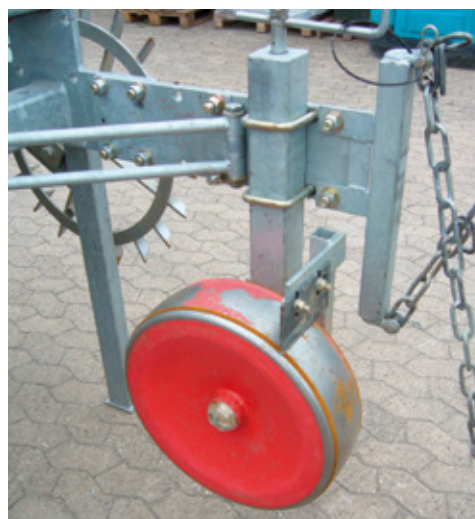




**Cultivation** : 3 m implement with four 100x100 bars, 10 forged steel shanks mounted on bolted-on holders, 4 depth control wheels, 2 rows of S-tines. The shanks and S-tines are adjustable in height and working angle. This versatile implement can be equipped with a seeder and is available in working width of 1,8 m, 2,4 m, 3 m and 3,5 m.



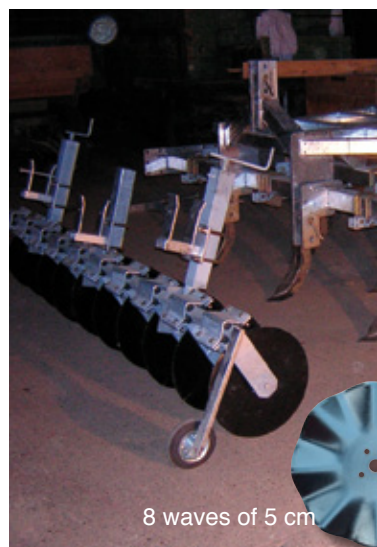
**Coil tines or leveling tines**  
can be mounted instead of S-tines



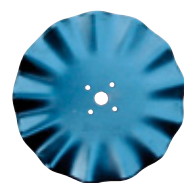
**Depth Control Wheel** : the 2 back wheels can be replaced by a roller



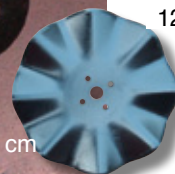
**Speed-Loc quick-change system**  
with 5, 15 and 36 cm sweeps, mixing shield and release tool



For direct drilling or in case of creeping type weeds a row of disks can be mounted on the first beam



Fluted disks  
12 waves of 2,5 cm



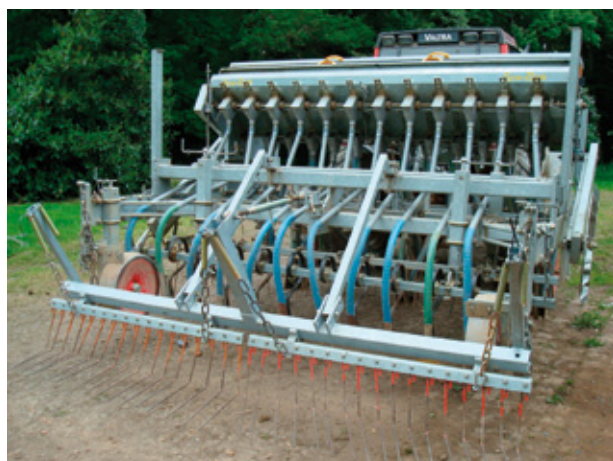
8 waves of 5 cm



Setup to sow  
Faba Beans at a  
depth of 10 to 15 cm



S-tines with seeding  
attachment for row  
spacing between 10  
and 30 cm



**12 row seeder with 3 separate hoppers**: 2 main hoppers and one hopper for small seed. One of the main hoppers can also be used for in-row fertilization

**Coil tine harrow**: adjustable height and working angle **right side**: straw tines; **left**: sowing tines

Soc de semis direct type  
T-inversé ou «Baker Boot»  
avec pointe en carbure de  
tungstène

**Direct Drilling boot with  
tungsten carbide tip**

**inverted T seeding boot (Baker Boot)**



Setup for band  
seeding behind  
36 cm sweeps  
(combines seeding  
and weeding in a  
single pass). There  
is a seeding boot on  
each side of the  
shank. Depending  
on the deflector  
type the band width  
can vary from 12 to  
almost 30 cm.





## *Stubble breaking and cover crop destruction*

First pass with 15 cm sweeps



Second pass with 36 cm sweeps at a depth of 3 to 4 cm. The shank holder adjustment features allow for changes in depth and working angle to achieve a perfectly plane scalping surface. Being important for organic low-till farming, this feature also makes it possible to set the sweeps running behind the tractor wheels slightly lower to compensate for tire imprints.



Seeding behind the 36 cm sweeps at a depth of 3 to 4 cm is usually done on the third pass. Since the deflectors keep the soil from dropping immediately behind the shank, the seeds are positioned on the scalped surface which is the optimum place for good seed germination even under very dry conditions. The loose soil that covers the seeds keeps water evaporation at a minimum. For optimum weed control scalping on both the 2<sup>nd</sup> and 3<sup>rd</sup> pass should be done at the same depth.



## *Even under drought conditions superficial tillage results in excellent seed germination*



**Spring barley** drilled with the Ecodyn seeder  
Broad band sowing behind 36 cm sweeps (seeds placed on scalping horizon)

Sown with a seed drill combination after conventional plowing  
(adjacent Spring Barley field drilled on the same day)



**Winter Wheat after Red Clover** - on the left: Ecodyn seeder after superficial tillage - on the right: sown after prior tillage at 15 cm (sown the same day)



*On the third pass Winter Wheat is drilled behind 36 cm sweeps in 15 cm wide bands*

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*Photos M. et F. Wenz*

*Triticale (at 3 cm depth behind 36 cm sweeps), Faba Beans (at 10 cm depth with 5 cm sweeps) and White Clover sown in one pass*

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*Photos U. Schreier*

*Mechanical destruction of Lucerne and sowing of Winter Wheat in 3 passes with 36 cm sweeps*

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*Photos F. Brunner*



## *Direct drilling of Winter Wheat and Peas into Corn stubbles with disc openers and direct seeding boots*



Photos M. et F. Wenz

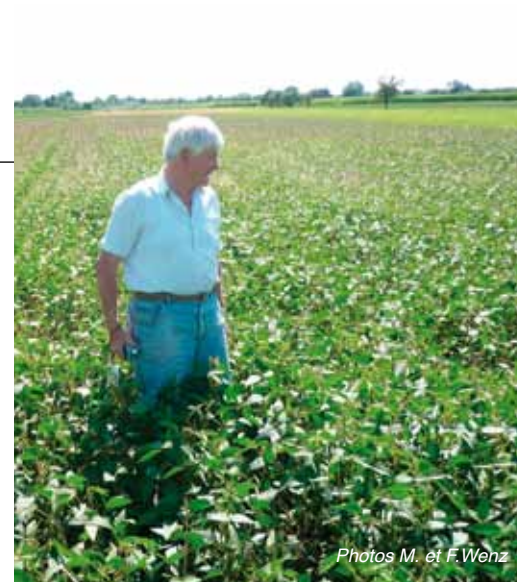
## *Sunflowers with Buckwheat and White Clover sown in one pass (Sunflower with left boot, Buckwheat right boot)*



Photos M. et F. Wenz

## *Direct drilling of Soy Beans*

Recycling of spelt field which was heavily infested with foxtail due to winter flooding: sown at the end of may after 2 mowings using disc openers and direct drill boots.



Photos M. et F. Wenz



*Direct drilling of Wheat into White Clover stand (mixing shield, 15 cm sweeps, double seeding boots and narrow deflector)*



*15 cm deep direct drilling of Faba Beans with 5 cm sweeps (Camelina companion seed)*



*Direct drilling of Faba Beans into Oats using disc openers and direct seeding boots*



*Direct drilling of soy beans in rye cover crop using disc openers and direct drilling boots*





*Stubble breaking and sowing of Green Manure in a single pass (mixing shield, 15 cm sweep and narrow deflector)*



Photos F. Brunner

*Direct drilling of Peas into a rye cover crop*



15.07.2007  
Photos M. et F. Wenz

*S-tine seeder with front seed hopper*

*5,1 m with 51 S-tines on 10 cm centers plus 1000 l front hopper!*



Depth control: 6 height adjustable  
steel wheels  
Working width: 3 to 6,25 m.  
Hopper volume: 1000 & 1800 liter  
Available S-tines: 45x12 & 70x12



With tines distributed over  
6 beams, the seeder is able to  
break stubbles and install a  
cover crop in a single pass, even  
in the presence of considerable  
amounts of harvest residues.



*Upper left side image:  
Soy Bean stubble breaking,  
weeding and drilling of  
spelt in one pass*



Photos Wagner

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