



Discussion of the results from the procedural costs calculation



The procedural costs are dependent on:

- » the machinery costs
- » the labor costs



The machinery costs are dependent on:

- » the proportional fixed costs of the machine
- » the variable costs of the machine
- » the variable costs of the tractor

If the workload of the machine is above the depreciation threshold of the tractor, the fixed costs of the tractor have to be included into the machinery costs.

The proportional fixed costs of the machine are dependent on

Purchasing price

- » of seeding drill: Example.: 8000 to 80.000 €
- » or the mulcher: Example.: 4000 to 20.000 €
- » Operating life: 10 to 15 years
- » Residual value
- » Interest rate



The variable costs of the precision seeding drill are dependent on:

- » The size of the seeding drill, 4 rows or 16 rows.
- » Standard precision seeding drill or precision mulch seeding drill

Result: variable costs of 8 to 10 €/ ha

The amount of variable costs for the tractor has been discussed in detail in the previous units.





The labor costs are dependent on:

- » The opportunity costs for the MHR of permanent family workers
- » The wages/ opportunity costs for the MHR of permanent employees
- » Wages for non-permanent workers

Calculating basis, 10 to 20 €/h.



The labor costs are set against the time requirements for the cultivation, respectively the mulching per hectare.

The time requirements are dependent on:

- » Field size: Example 1 ha to 20 ha
- » The farm-field distance
- » Heaviness/ resistance of the soil: light to heavy
- » The amount of seed that is sowed: 1kg to 200 kg
- » Working width of the sowing machine

The procedural costs are calculated per hectare or per hour of usage.