## **Comparative costs and minimum extent of utilization**

### **Costs of internal mechanization**

Fixed costs+ Variable costs+ Wage claim41.000 €/y.<br/>X ha/y.+ 41,10 €/ha+ 8,40 €/ha

Minimum extent of utilization:

X ha/y.

Costs for service provider

Billing rate

#### 125 €/ha Additional disadvantage "Timeliness costs"

Additional drying costs for 20% of the yield because of untimely harvest (Yield = 70 dt/ha, Drying costs= 1,60 €/dt)

20% × 70 dt/ha × 1,60 €dt = 22,40 €ha

= 418,8 ha/y.

(125 €ha + 22,40 €ha) - (41,10 €ha + 8,40 €ha)

41.000 **€**y.

20% × 70 dt/ha × 1,60 €/dt

## **Comparative costs and minimum extent of utilization**

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### **Costs of internal mechanization**

Fixed costs+ variable costs+ Wage claim41.000 €J.<br/>X ha/J.+ 41,10 €/ha+ 8,40 €/ha

Additional technological disadvantage: Due to the longer operating life of the machine compared to the service provider, (= on average older machine) internal mechanization is causing higher losses of 0.5% of the yield compared to the service provider. (Yield = 70 dt/ha, Grain price = 18 €/dt)

### Costs for service provider

Billing rate

125 **€**ha

# Minimum extent of utilization (ha/year) ???