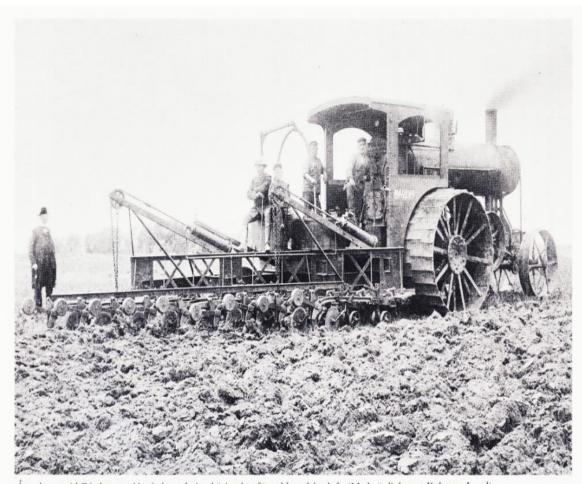
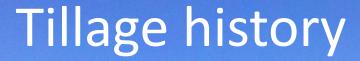




## We know how to plough



Ångplogen vid Gårdstunga Nygård, med nio-skärig plog försedd med ånglyft. (Med vänlighet av Kulturen Lund).



2004 was last year of plowing 2005 plough free – 15-20 cm eep cultivation 2010 CTF 10 cm deep 2011 Conservation Agriculture 2014 Eco Conservation Agriculture 2017 Eco plowing re commenced



## Crop rotations and Cover crops



## Cover crops

- Photosynthesis takes advantage of the Sun for free
- Catching CO2
- Plants make soil productive by increasing organic matter content
- Produces some N reduces input
- Mixes of many different species is ideal but not allowed in Sweden ideally different varieties of winter sensitive clovers, hairy vetch, buck wheat, California Bluebell, lupines,
- Erosion control
- Direct drilling = limited nutrient losses















## Conservation Agriculture

- In the past lots of steel and even more fuel
- Today biological tillage. It is a mental process
- More focus under the soil than over
- Good spiral increased soil fertility
- Lower weed pressure?
- Fuel consumption decreased from 120 to 40 l/ha
- Time savings, from 5h to about 2 hour per ha
- Less machinery and labour
- LOWER COST/ha -1000 SEK compared when plowing
- and INCREASED YIELDS!