



Different feed for improved
production.

Grange farm
Normanton on soar

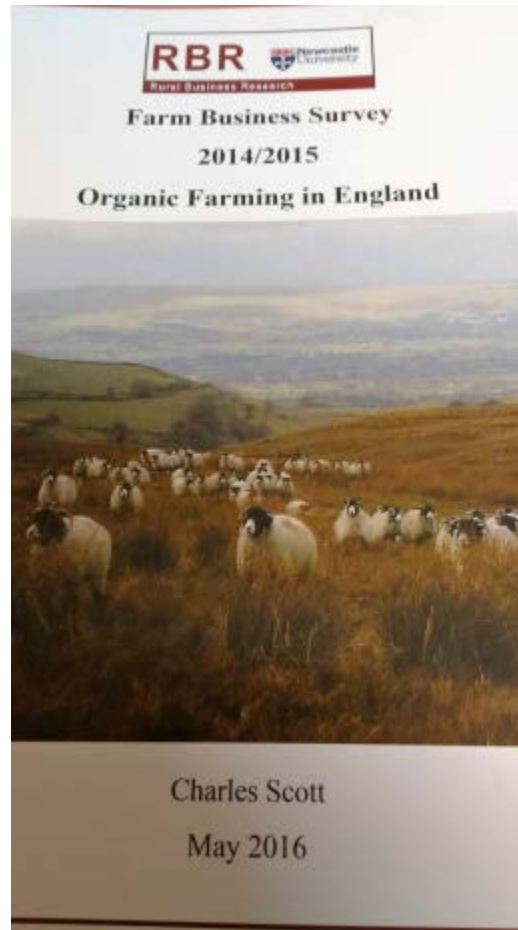
The farm team



The real farm team.



Targets.



Aims



- Improve profit.
- Sell more milk per ac.
- Tonnes of dry matter /ac produced on farm.

- What have we tried.
- Lupin silage.
- Bean silage.
- Fodder Beet.
- Maize.
- Sprouted beans.
- Red/white clover.
- Cocksfoot, timothy, fescues, rye grass.



A person wearing blue trousers and black rubber boots is standing in a field of green legume plants. The plants are dense and have small, trifoliate leaves. The person's legs and boots are visible in the upper right portion of the frame.

What are we trying

Lucerne

Sainfoin

Multi-species legume mix.

Multi-species ley



- Why multi species
- Diversity
- Effect on soil
- Rooting depth
- Seasonal growth
- Availability of minerals

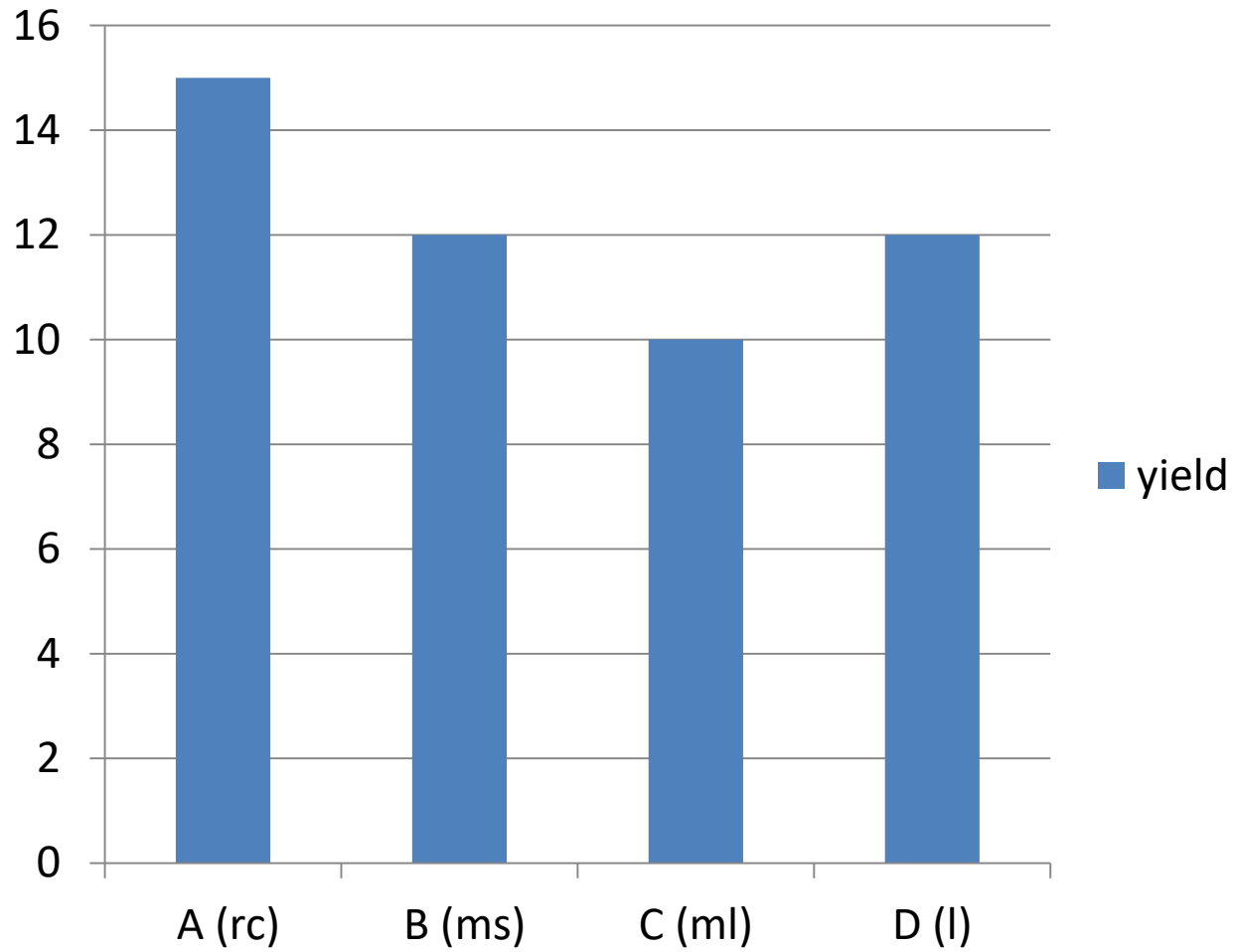
- We drilled four trial plots over four ac.
- Spring sown with barley as a cover crop.
- Looked at yields, soil structure and roots.

- A . Red clover rye grass. merviot, milvus, abermagic.
- B. Multi species ley. chicory, cocks foot, meadow fescue, perennial rye grass, plantain, red clover, red fescue, timothy, white clover, yarrow.
- C. Multi species legume. birds foot trefoil, sainfoin, white clovers, perennial rye grass.
- D. lucerne mix. Timbale, Galaxie, red fescue

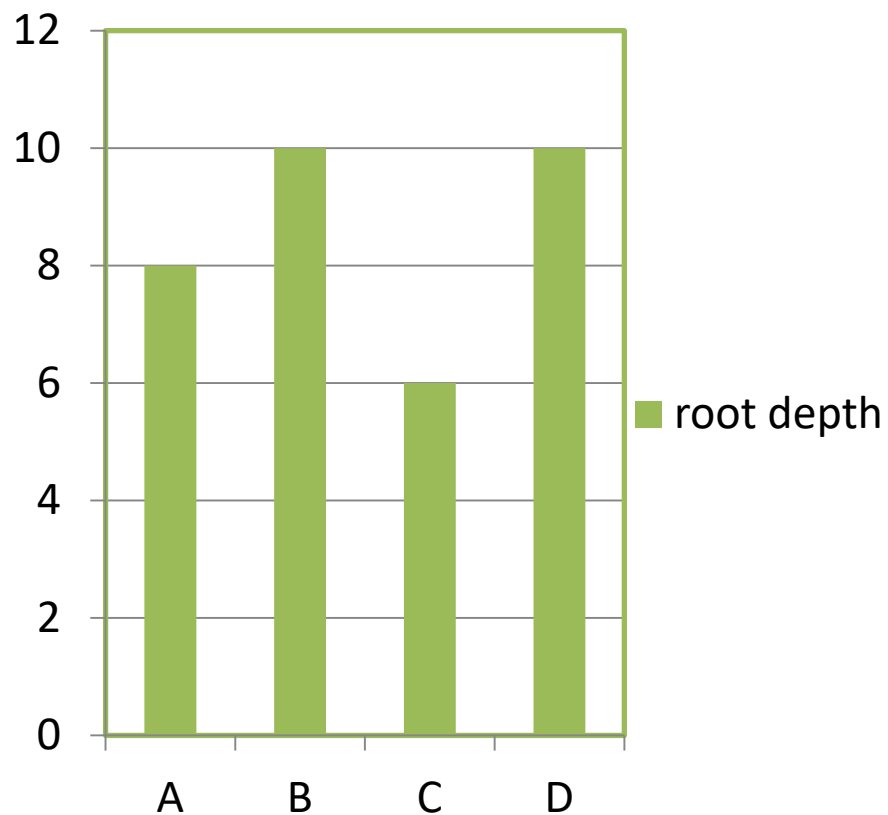
Seed costs

- A . Red clover . mix £71 Three year life.
- B. multi species ley £100 Five plus year
- C . Multi species clover £74 Five plus year
- D . Lucerne mix £ 70 Three –five year

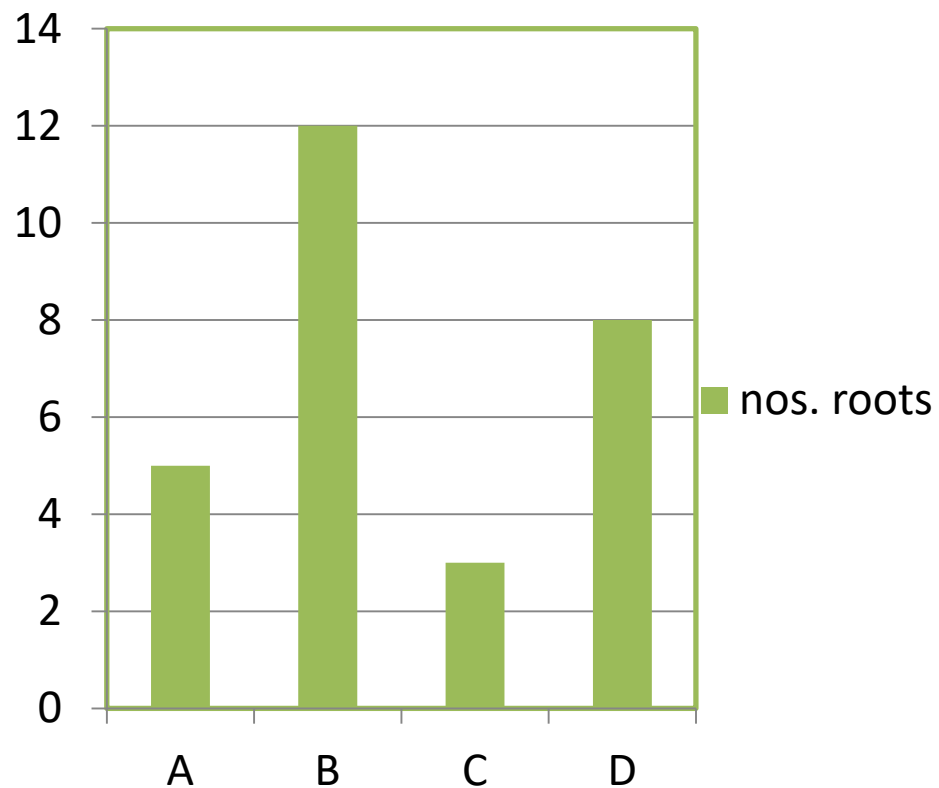
Crop yield



Average root depth



average roots density



Multi-species significant no. of active roots at 8 inch compared with other treatments .



Fin

