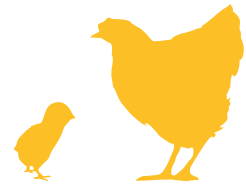


Background

- Infertility caused by male management problems is very common. Problems may be caused by an inadequate number of healthy males or because males have reduced sperm production from disease, inadequate feed intake, or placed on feed restriction. Also, obese females may be less efficient in transporting sperm, resulting in reduced fertilisation of the egg as it is released from the ovary.
- When broiler breeders reach 40 weeks, their fertility levels naturally decline because rooster mating frequency is lower and physiologically the hen needs to be mated more often to maintain fertility.
- Agritech developed **LC25™**.

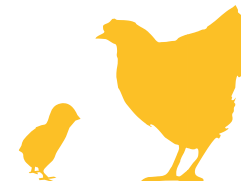




UK trial information – 2010

- Product developed due to fertility issues in the Ross breeding line.
- Focus was on the male re sperm concentration and improved sperm quality.
- Product applied six weeks prior to known issues
- Eggs produced and eggs hatched was measured.
- LC25™ contains l-carnitine.

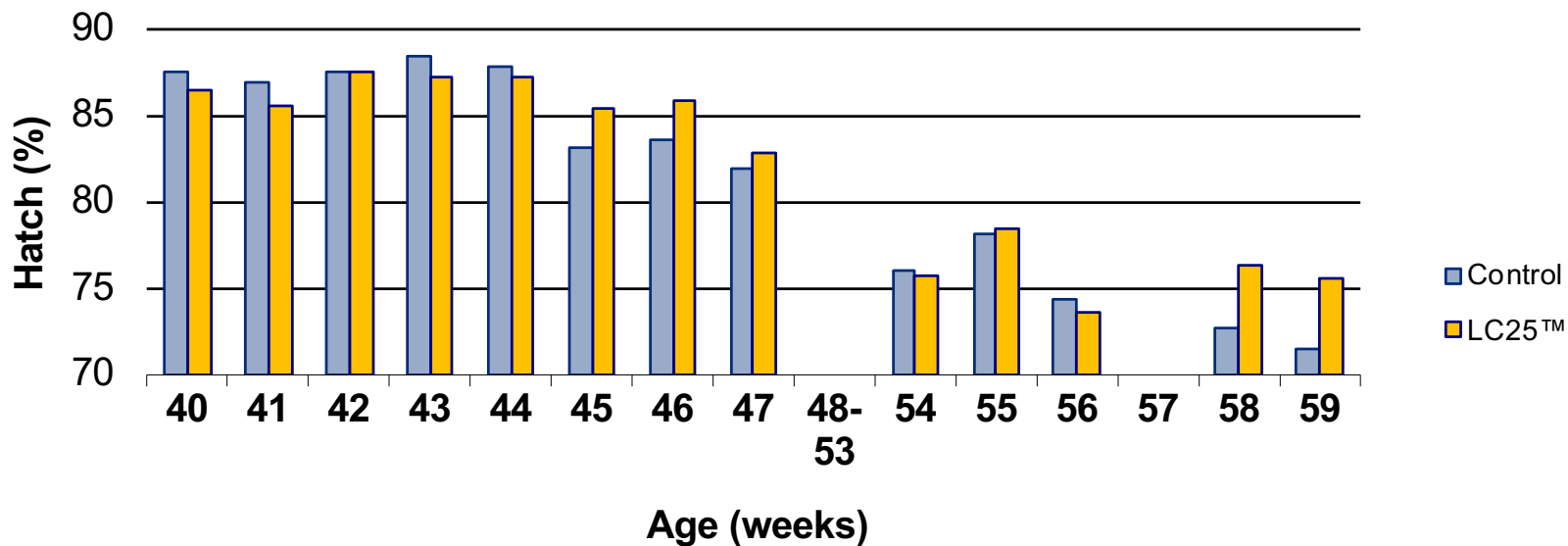


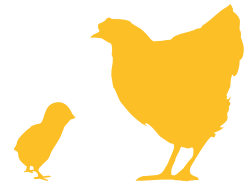


Trial

- 500 ml per 1,000 litres of drinking water.
- Treatment period – 40- 46 weeks of age.

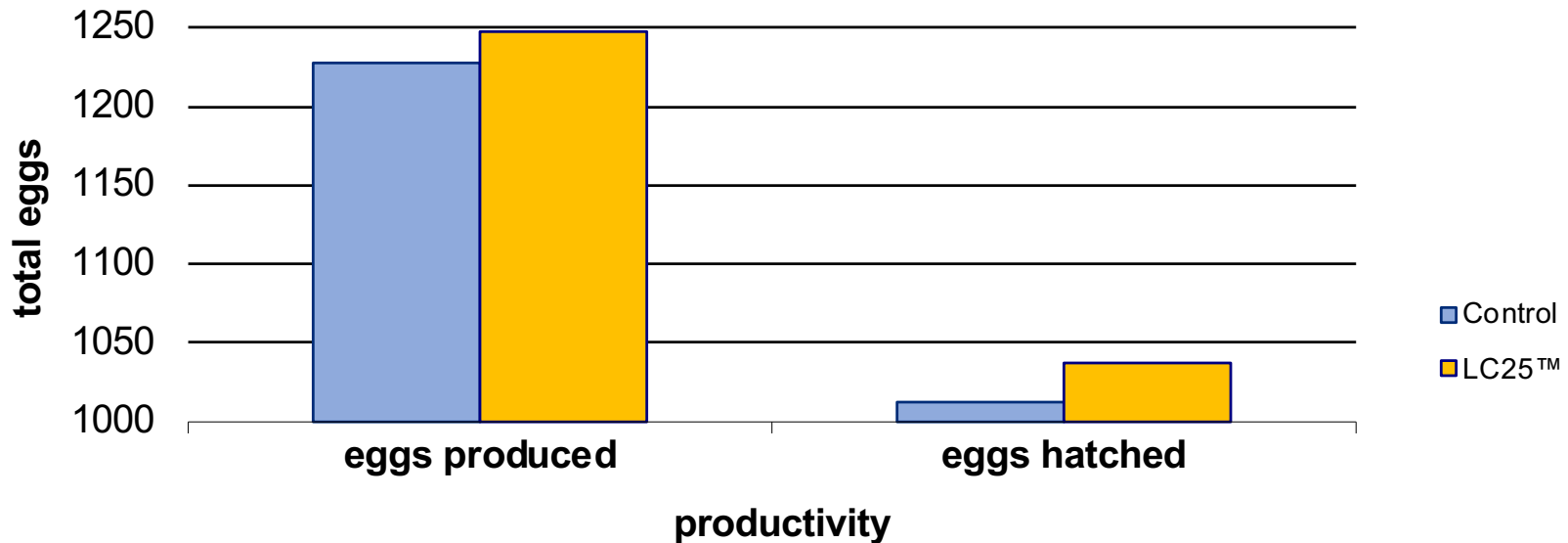
Field trial with Ross parent stock- UK 2010



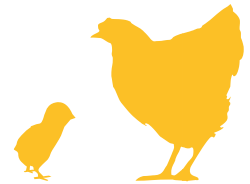


Influence of LC25™ on hatchability

Field trial with Ross parent stock , UK, 2010



The LC25™ group had 2.5 more eggs per bird and 3 more hatched eggs per bird.



Summary

- Using LC25™ as recommended resulted in
- Up to 4% increased hatchability in old hens!
- Increased egg production (2½ eggs per bird)
- Increased hatchability (3 chicks per bird)
- Increased profitability (approximately £750 per 1,000 birds during the laying period)

