

Lesson 8

Ex. 2.4.1 a) B-, ABC- och AC-effects.

b) B-, ABC- och R-effects.

c) $I_{\mu_{1jk}-\mu_{1rs}} = \bar{y}_{1jk..} - \bar{y}_{1rs..} \pm 7.60 \quad (\alpha = 0.05)$. Levels B=C=1 are the best for regular production (A=1).

Ex. 2.4.2 a) For D=-1 is a no. 2 i.e. A-effect that seems to be more significant and for D=1 is no. 2 and no. 4 i.e. A-effect and AB-effect.

b) We work with three factor complete model with A, B,D.

$$I_{\mu_{i1k}-\mu_{i-1k}} = \bar{y}_{i1k} - \bar{y}_{i-1k} \pm 4.36 \quad (\alpha = 0.05)$$

We choose B=-1 for A=-1 and D=-1 and also for A=-1 and D=1, i.e. for A=-1.

No clear choice for A=1.