Chapter 7
Managing Limiting Soil Factors

Exercise 2

How much lime would you apply to paddocks F11 and F12 (Figure 4.13) to lift the pH (CaCl\(_2\)) to 5.2? Assume that the lime is to be applied to both paddocks when they are being cultivated.

**Figure 4.13 Mr Nute Deficiency’s strongly acidic paddocks**

**Exercise 2a: Paddock F11.** The soil is a grey clay loam and has a pH (CaCl\(_2\)) of 4.5. Pasture production is low compared to other paddocks, and the clover tends to be a lighter green colour. How much lime/ha is needed for paddock F11 to lift the pH level to 5.2? (Refer to Figure 4.12 on page 59.)

**Exercise 2b: Paddock F12.** The soil is a sandy soil and has a pH (CaCl\(_2\)) of 4.5. Pasture production is also low in this paddock compared to other paddocks, but the clover is a slightly darker green colour. How much lime/ha is needed for paddock F12 to lift the pH level to 5.2? (Refer to Figure 4.12 on page 59.)

Note that Figure 4.12 is based on a lime with a neutralising value of 100, not an effective neutralising value of 100.