

Increasing soil organic matter - farm groups working together



Stubble standing
+/- nutrients



Stubble incorporated
+/- nutrients



Stubble removed
+/- nutrients

Harm van Rees
Cropfacts P/L

1. Trial work



2. Paired paddocks

No-Till stubble retained



Rotation: W B Le Ca W
N input: total 120kg/ha
Soil C: 1.3% (SE 0.2%)
Bulk density: 1.35 (0-10cm)
Humus:

Conventional tillage



W Fallow Ca W B
total 35kg/ha
1.1% (SE 0.2%)
1.45

Quantity of soil C kg/ha

$$\text{Quantity} = \text{Soil C \%} \times \text{Bulk Density}$$

Option 1



Option 2



Bulk Density - variability

1.16
1.24
1.16
1.14
1.45
1.44
1.36
1.51
1.13
1.28
Ave 1.29

Learning journey

