

Resilience For Dairy

14/03/2023

Wervik

Carbon Footprint



Kengetallen

1071834 kg FPCM

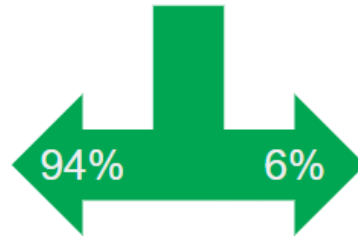
11005 kg FPCM/koe/j

10440 kg levend gewicht

968626 kg CO₂-equivalenten

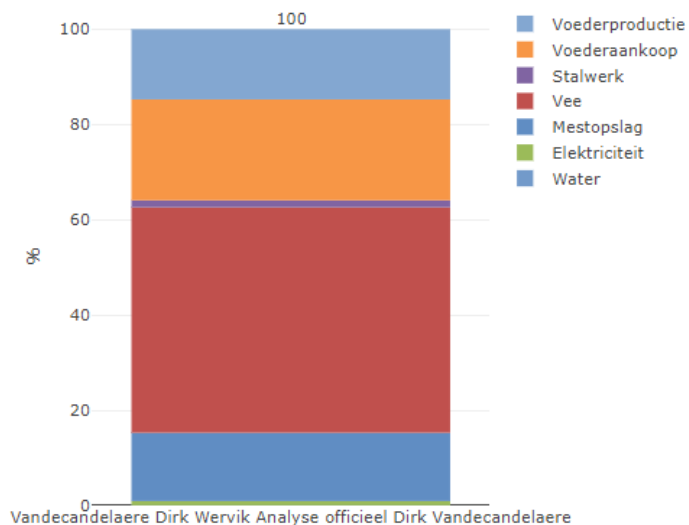


0,85 kg CO₂-
equivalenten/
kg FPCM



5,46 kg CO₂-
equivalenten/
kg levend gewicht

Carbon Footprint



Klimaatsverandering kg CO₂ eq/kg FPCM

Vandecandelaere Dirk Wervik Analyse
officieel Dirk Vandecandelaere

Voederproductie	0,125
Voederaankoop	0,18
Stalwerk	0,012
Vee	0,403
Mestopslag	0,122
Elektriciteit	0,008
Water	0
Totaal	0,85

Climate measures



• Feed

- Beer draff and rapeseed meal
- Extruded linseed
- Nitrate
- Rapeseed fat
- 3-NOP
- Digestibility grass silage



• Feed production

- Correct fertilising
- Clover
- Good setting fertilizer spreader



• Cattle management

- Reduce age at first calving
- Reduce replacement rate
- Optimal number of youngstock



• Energy

- Fuel saving tractor
- Energy saving in the milking proces
- Renewable energy production

3-NOP



Kengetallen

1071834 kg FPCM

11005 kg FPCM/koe/j

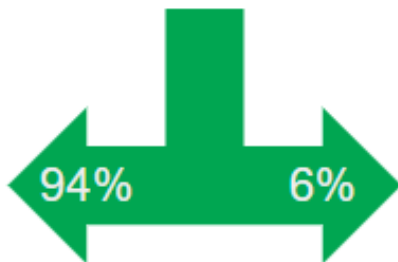
10440 kg levend gewicht

847867 kg CO₂-equivalenten

➡ - 120 759 kg CO₂-eq

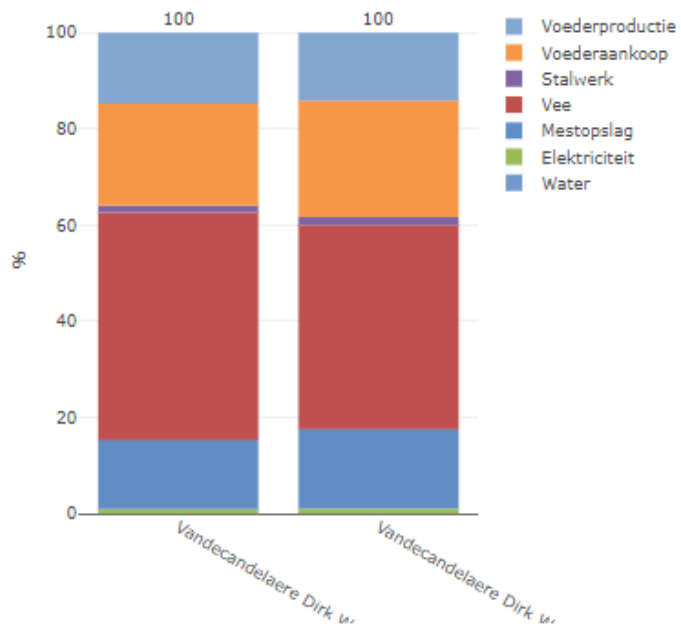


0,74 kg CO₂-
equivalenten/
kg FPCM



4,78 kg CO₂-
equivalenten/
kg levend gewicht

3-NOP



Climate change Kg CO2 eq/kg FPCM	Original	3-Nop
Feed production	0,125	0,125
Purchase of feed	0,18	0,18
Stable	0,012	0,012
Cattle	0,403	0,316
Manure	0,122	0,123
Electricity	0,008	0,008
Water	0	0
Total	0,85	0,76

Optimal number of youngstock



Kengetallen
1071834 kg FPCM
10953 kg FPCM/koe/j
11744 kg levend gewicht

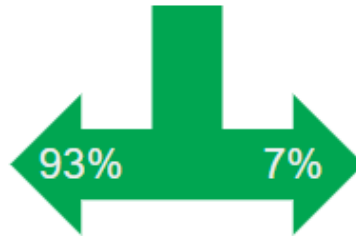
950684 kg CO₂-equivalenten



- 17 942 kg CO₂-eq

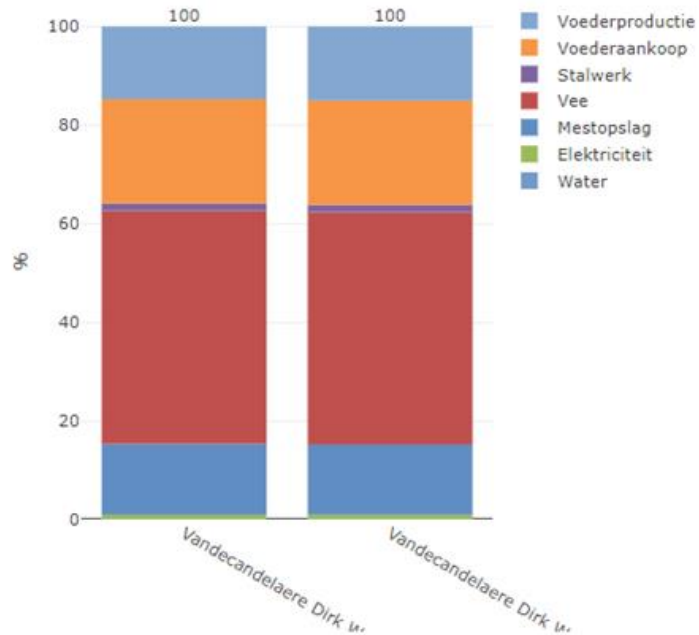


0,83 kg CO₂-
equivalenten/
kg FPCM



5,36 kg CO₂-
equivalenten/
kg levend gewicht

Optimal number of youngstock



Climate change Kg CO2 eq/kg FPCM	Original	Less youngstock
Feed production	0,125	0,125
Purchase of feed	0,18	0,175
Stable	0,012	0,012
Cattle	0,403	0,39
Manure	0,122	0,118
Electricity	0,008	0,008
Water	0	0
Total	0,85	0,828

Grass-clover



Kengetallen

1071834 kg FPCM

11005 kg FPCM/koe/j

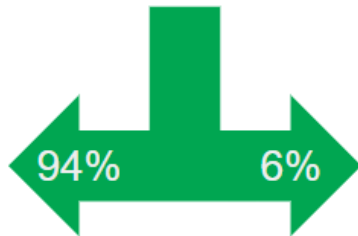
10440 kg levend gewicht

953050 kg CO₂-equivalenten

➡ - 15 576 kg CO₂-eq

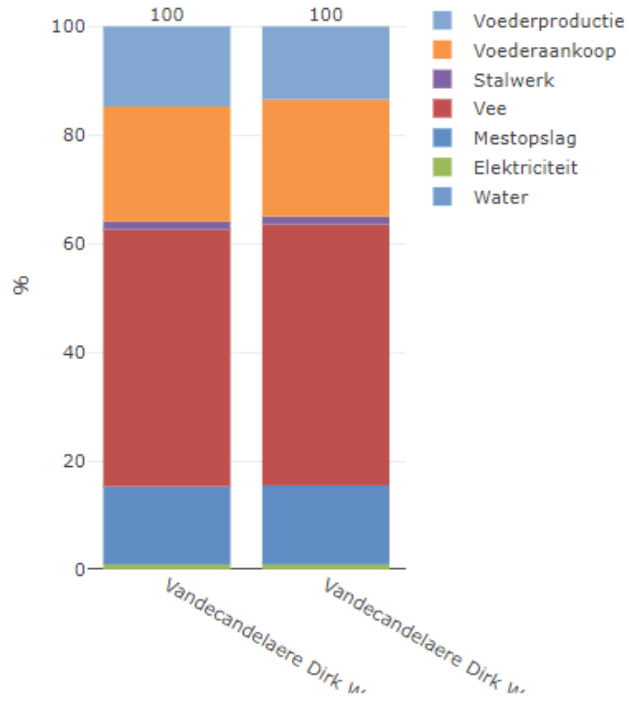


0,84 kg CO₂-
equivalenten/
kg FPCM



5,37 kg CO₂-
equivalenten/
kg levend gewicht

Grass-clover



Climate change Kg CO2 eq/kg FPCM	Original	Clover
Feed production	0,125	0,112
Purchase of feed	0,18	0,18
Stable	0,012	0,012
Cattle	0,403	0,402
Manure	0,122	0,122
Electricity	0,008	0,008
Water	0	0
Total	0,85	0,836

● Thank you.