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winter_wheat_2023

Other Crops • Winter Wheat • Finished product: 13,000 kilograms • Dataset: Default ▼ • Yield: 0.43 kg / m2

Crop Soil Inputs Fuel & Energy Irrigation Carbon Transport

Results

10

Con

GHGs (Green House Gasses) Compare Performance Costs Data

Total emissions

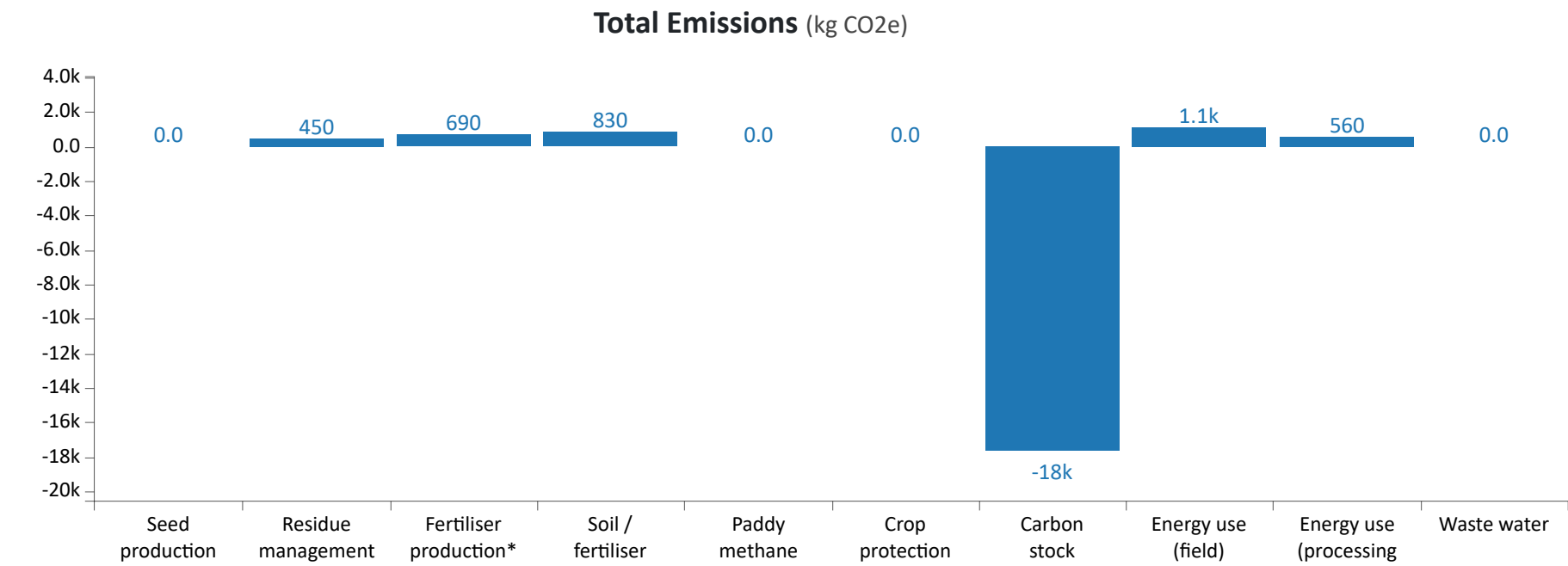
-14.01k
(Thousand)
kg CO2e

Emissions per square metre

-0.47
()
kg CO2e

Emissions per kilogram

-1.08
()
kg CO2e



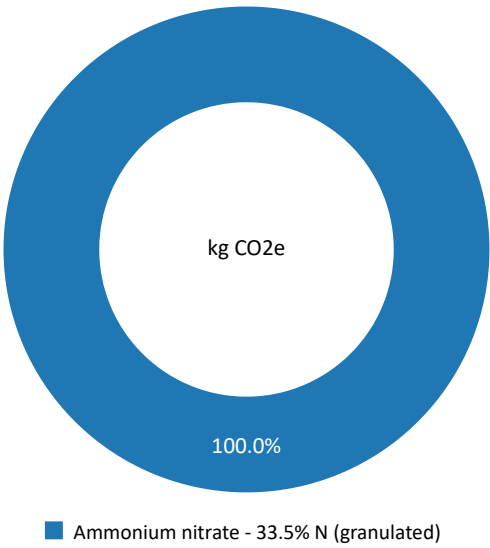
Detailed data (all values in kg)

Hide data

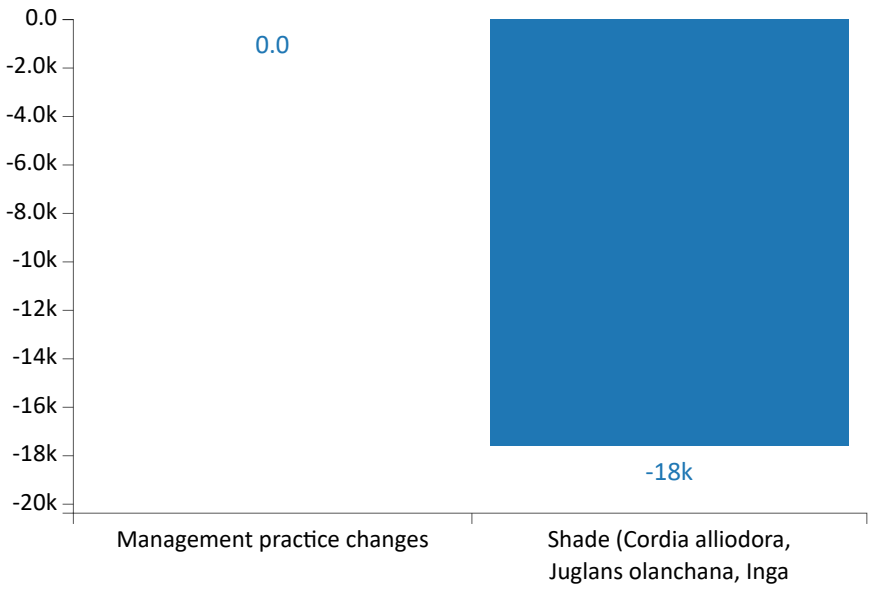
Sources	CO ₂	N ₂ O	CH ₄	Total CO ₂ eq (equivalent)	Per m2	Per kg
Seed production	0.()	0.()	0.()	0.()	0.()	0.()
Residue management	0.()	1.65.()	0.()	449.91.()	0.01.()	0.03.()
Fertiliser production*	686.76.()	0.()	0.()	686.76.()	0.02.()	0.05.()
Soil / fertiliser	0.()	3.04.()	0.()	831.25.()	0.03.()	0.06.()
Paddy methane	0.()	0.()	0.()	0.()	0.()	0.()
Crop protection	0.()	0.()	0.()	0.()	0.()	0.()
Carbon stock changes	-17.64k (Thousand)	0.()	0.()	-17.64k (Thousand)	-0.59.()	-1.36.()
Energy use (field)	1.11k (Thousand)	0.()	0.()	1.11k (Thousand)	0.04.()	0.09.()
Energy use (processing)	555.72.()	0.()	0.()	555.72.()	0.02.()	0.04.()
Waste water	0.()	0.()	0.()	0.()	0.()	0.()
Off-farm transport	3.87.()	0.()	0.()	3.87.()	0.()	0.()

* Calculated with validated default values for fertiliser production.

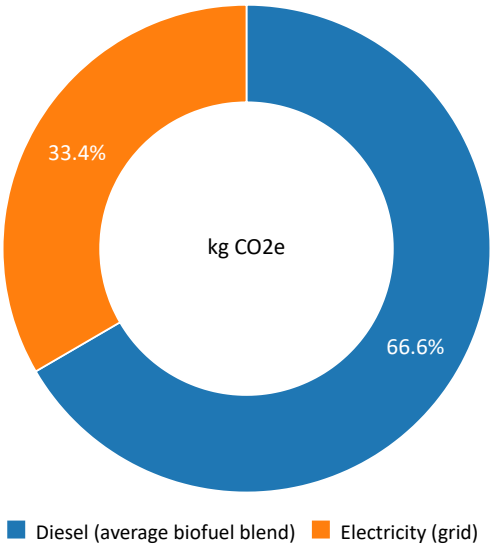
Fertiliser production emissions



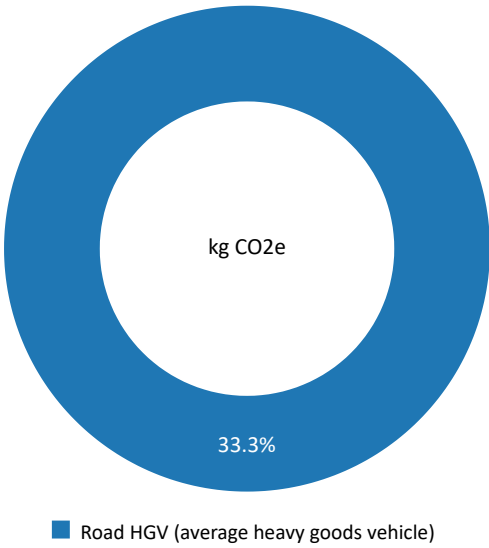
Carbon stocks and sinks



Energy, fuel and water emissions



Transport emissions



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