

# winter\_wheat\_2021\_Ivan and Neli Farm Briyastovo

Other Crops · Winter Wheat · Finished product: 16,820 kilograms · Dataset: [Default](#) · Yield: 5,425.81 kg / ha

Crop	Soil	Inputs	Fuel & Energy	Irrigation	Carbon	Transport
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**Results**
**100%**  
Complete

<b>GHGs</b>	Water	Compare	Performance	Costs	Data
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**Total emissions**

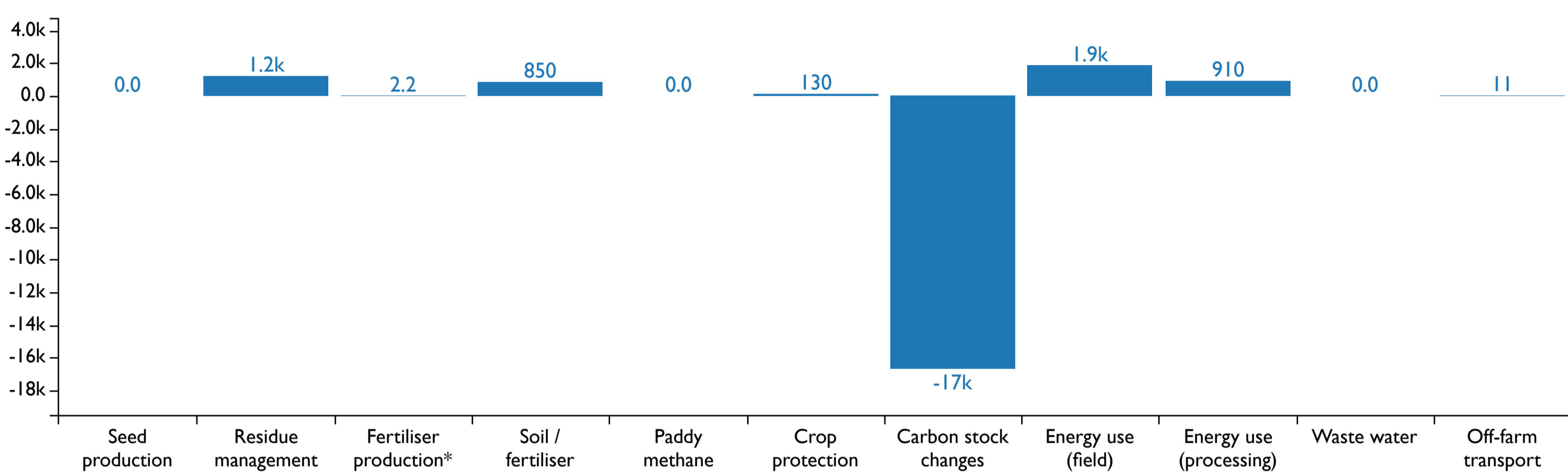
**-11.72k**  
kg CO<sub>2</sub>e

**Emissions per hectare**

**-3.78k**  
kg CO<sub>2</sub>e

**Emissions per kilogram**

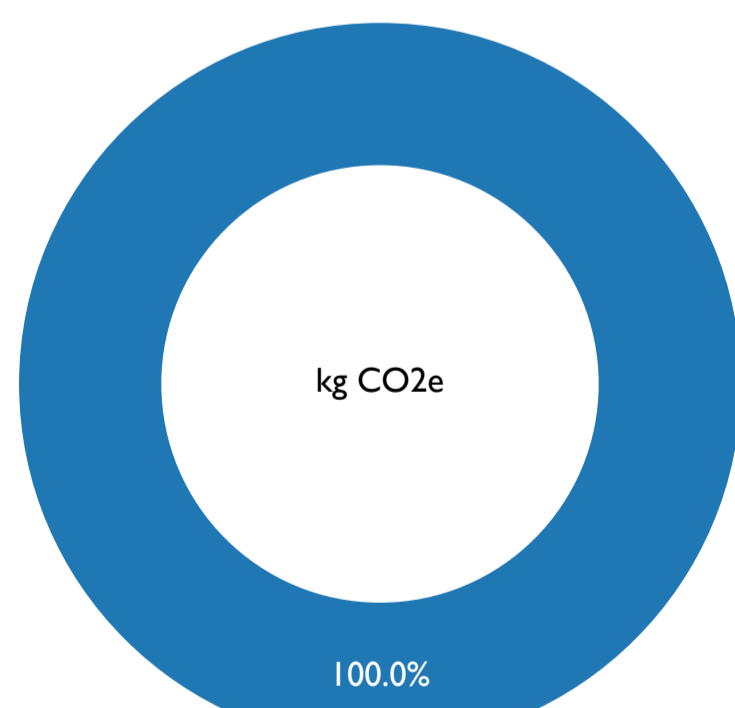
**-0.70**  
kg CO<sub>2</sub>e

**Total Emissions (kg CO<sub>2</sub>e)**

**Detailed data** (all values in kg)

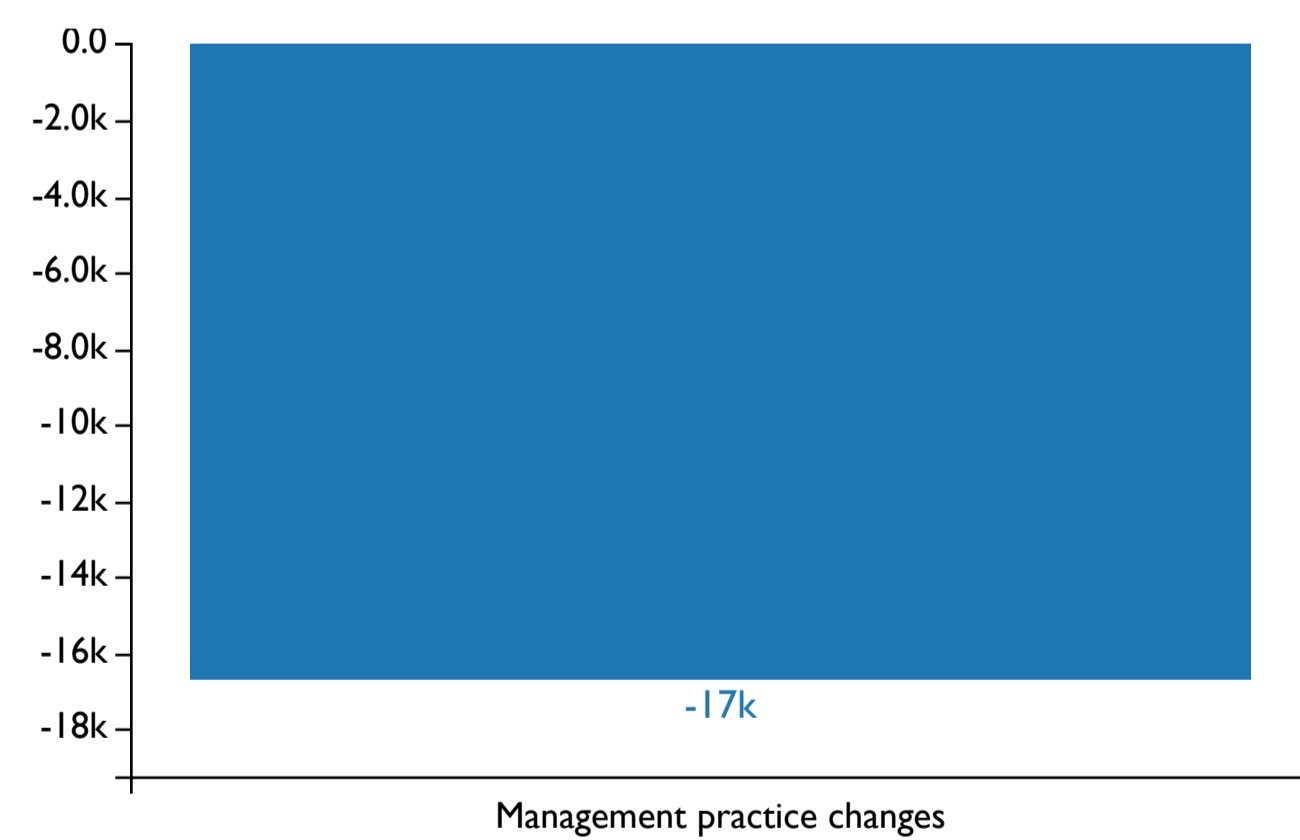
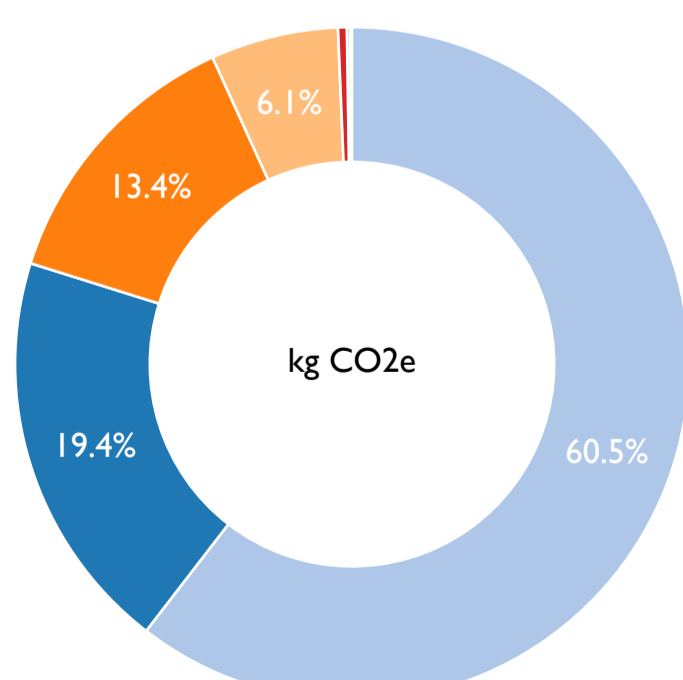
[Hide data](#)

Sources	CO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	Total CO <sub>2</sub> eq	Per ha	Per kg
Seed production	0	0	0	0	0	0
Residue management	0	4.07	0	1.21k	391.13	0.07
Fertiliser production*	2.19	0	0	2.19	0.71	0
Soil / fertiliser	0	2.85	0	849.76	274.12	0.05
Paddy methane	0	0	0	0	0	0
Crop protection	127.10	0	0	127.10	41	0.01
Carbon stock changes	-16.69k	0	0	-16.69k	-5.38k	-0.99
Energy use (field)	1.86k	0	0	1.86k	599.79	0.11
Energy use (processing)	905.72	0	0	905.72	292.17	0.05
Waste water	0	0	0	0	0	0
Off-farm transport	10.83	0	0	10.83	3.49	0

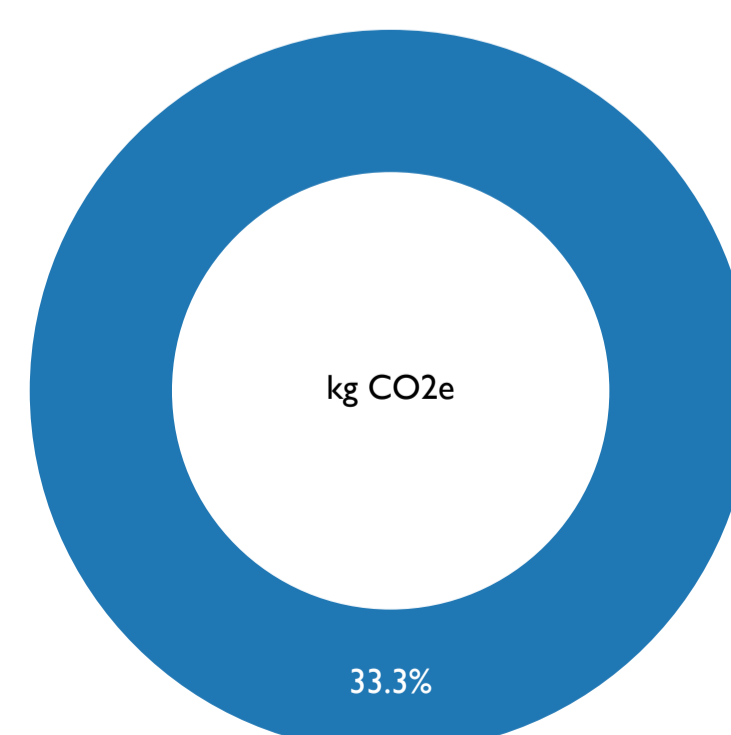
\* Calculated with validated default values for fertiliser production.

**Fertiliser production emissions**


■ Compound NPK - 15% N / 15% K<sub>2</sub>O / 15% P<sub>2</sub>O<sub>5</sub> (nitrophosphate process)

**Carbon stocks and sinks**

**Energy, fuel and water emissions**


■ Diesel ■ Electricity (grid) ■ Moldboard plough ■ Grain drill ■ Rotary hoe/bed tiller  
■ Herbicide spraying ■ Combine

**Transport emissions**


■ Road HGV (heavy goods vehicle >3.5t)