Table S1. The ANOVA for the effects of the soil tillage practice, fertilization source, and year on the C balance in the two experimental years of durum wheat.

		Wheat			
	Degrees of Freedom	C-Input [Mg C ha⁻¹]	C-Output [Mg C ha⁻¹]	C In./C out. [Mg C ha⁻¹]	C Out./Grain [Mg C ha⁻¹]
Soil Tillage	2	0.1376	0.0002 *	0.0080 *	0.0097 *
Soil Fertilization	1	0.0556	0.0074 *	0.8483	0.0005 *
Tillage*Fertilization	2	0.9473	0.0117 *	0.7231	0.1397
Year	1	0.0329 *	<0.0001 *	0.0002 *	<0.0001 *
Tillage*Year	2	0.0073 *	0.2745	0.1188	0.0345 *
Fertilization*Year	1	0.0373 *	0.5125	0.9747	0.0354 *
Till.*Fert.*Year	2	0.2002	0.3743	0.7921	0.1899
Err. 1	12	0.0422 *	0.9960	0.7781	0.4793
Err. 2	12	-	-	-	-

Table S2. The ANOVA for the effects of the soil tillage practice, fertilization source, and year on the C balance in the two experimental years of potato crop.

		Potato				
	Degrees of Freedom	C-Input [Mg C ha⁻¹]	C-Output [Mg C ha⁻¹]	C In./C out. [Mg C ha⁻¹]	C Out./Dry Tuber [Mg C ha⁻¹]	C Out./Fresh Tuber [Mg C ha⁻¹]
Soil Tillage	2	0.0464 *	0.8914	0.9536	0.8111	0.7445
Soil Fertilization	1	<0.0001 *	0.2402	<0.0001 *	0.0912	0.0721
Tillage*Fertilization	2	0.2602	0.3929	0.9123	0.4523	0.5443
Year	1	<0.0001 *	0.3707	0.8076	<0.0001 *	<0.0001 *
Tillage*Year	2	0.0280 *	0.7560	0.6005	0.5611	0.3917
Fertilization*Year	1	0.2215	0.6194	0.1869	0.9671	0.8581
Till.*Fert.*Year	2	0.4103	0.8519	0.9445	0.7497	0.8841
Err. 1	12	0.6866	0.6331	0.6435	0.1909	0.1221
Err. 2	12	-	-	-	-	-