

Supplementary Materials

Table S1. Crop emergence and durum wheat spike number and spike biomass at harvest as affected by intercropping density and year.

Year	Intercropping system	Crop emergence (plants m ⁻²)		Durum wheat spike productivity	
		Lentil	Durum wheat	Spike number (spikes m ⁻²)	Spike biomass (g m ⁻²)
2019	Weeded sole crop	-	-	-	-
	Sole crop	173.1(13.0) aA	305.6(15.0) aA	402.1(20.5) aA	730.8(37.5) aA
	100% Mix	211.2(16.8) aA	288.0(15.8) aA	363.7(11.9) aA	637.4(21.0) aA
	33% Mix	200.8(16.9) aA	119.4(7.9) bA	290.5(12.2) bA	629.5(23.4) aA
2020	Weeded sole crop	209.7(20.5) aA	-	-	-
	Sole crop	225.2(21.6) aA	322.3(17.5) aA	296.0(13.0) aB	365.0(16.3) aB
	100% Mix	183.7(25.2) aA	312.5(10.0) aA	215.8(11.1) bB	253.7(21.8) bB
	33% Mix	194.9(25.1) aA	127.4(8.7) bA	171.1(12.5) cB	228.0(14.3) bC
2021	Weeded sole crop	148.5(4.6) bB	-	-	-
	Sole crop	216.1(7.5) aA	142.3(17.7) aB	193.1(11.6) abC	318.1(20.8) aB
	100% Mix	218.1(9.0) aA	153.9(12.1) aB	203.0(12.9) aB	304.1(24.5) aB
	33% Mix	211.1(8.7) aA	63.9(5.9) bB	154.3(9.0) bB	302.5(20.0) aB
<i>P</i> -values	Intercropping	0.383	<0.0001	<0.0001	<0.0001
	Year	0.597	<0.0001	<0.0001	<0.0001
	Int. x Year	0.02	0.852	0.0052	0.023

Values are treatment means (S.E); different lowercase letters within columns in each year indicate statistical significance at $p \leq 0.05$ level (Tukey's post-hoc test) among treatments. Different uppercase letters within columns indicate statistically significant differences between years.