Table 6. Effect of plant spacing and weed control treatments on yield and yield components in 2015 and 2016 seasons.

Treatments	Plant height (cm)		Weight of seeds plant^{-1} (g)		100-seeds weight (g)		Number of pods plant^{-1}		Number of seeds pod^{-1}		Weight of pods plant^{-1}		Seed yield (ton fed^{-1})		Straw yield (ton fed^{-1})		Biological yield (ton fed^{-1})	
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
P- Plant Spacing (cm):																		
P_1: 60 cm × 4 cm 1 side = 175.000 plant fed^{-1}	95.74	96.81	16.77	17.06	17.13	17.26	40.24	40.94	2.00	2.11	22.86	23.19	1.31	1.32	2.46	2.48	3.77	3.80
P_2: 60 cm × 5 cm 1 side = 140.000 plant fed^{-1}	90.94	91.90	19.31	19.68	18.42	18.55	46.52	47.25	2.31	2.43	26.38	26.79	1.25	1.27	2.36	2.39	2.62	3.67
P_3: 70 cm × 4 cm 1 side = 150.000 plant fed^{-1}	93.87	94.82	18.48	18.77	17.74	17.92	44.15	45.13	2.22	2.42	25.61	25.94	1.28	1.30	2.42	2.46	3.70	3.76
P_4: 70 cm × 5 cm 1 side = 120.000 plant fed^{-1}	88.03	89.20	20.37	20.59	19.05	19.20	49.18	50.49	2.53	2.70	26.91	28.26	1.22	1.25	2.33	2.36	3.56	3.61
LSD $_{(0.05)}$	**0.34**	**0.49**	**0.48**	**0.37**	**0.15**	**0.23**	**0.31**	**0.92**	**0.11**	**0.15**	**0.35**	**0.38**	**0.01**	**0.03**	**0.03**	**0.02**	**0.03**	**0.09**
W- Weed control treatments (L fed^{-1}):																		
W_1: Gesagard (50% FW) at the rate 1.0 L	89.02	90.03	16.12	16.32	17.44	17.55	38.23	39.43	2.21	2.30	22.27	22.47	1.26	1.27	2.39	2.42	3.65	3.69
W_2:Fusilade super (12.5% EC) at the rate 1.0 L	88.82	89.41	14.35	14.62	16.00	16.16	34.92	35.84	1.82	1.91	19.73	20.03	1.22	1.23	2.32	2.36	3.54	3.59
W_3: Gesagard + Fusilade super	95.44	96.22	20.25	20.53	18.81	19.01	47.83	48.75	2.52	2.62	27.59	28.08	1.36	1.38	2.46	2.48	3.82	3.86
W_4: Stomp (50% EC) at the rate 1.7 L	89.08	90.08	16.62	16.97	17.45	17.58	39.75	40.77	2.31	2.41	22.83	23.28	1.31	1.33	2.47	2.49	3.77	3.82
W_5: Stomp + Fusilade	97.33	98.70	22.01	22.26	20.14	20.25	52.20	52.54	2.70	2.80	29.60	30.17	1.37	1.40	2.54	2.56	3.91	3.97
W_6: Select-Super (12.5% EC) at the rate 1.0 L	88.90	89.99	14.60	14.84	16.68	16.87	35.71	36.86	2.01	2.13	19.72	20.18	1.23	1.25	2.32	2.37	3.55	3.62
W_7: Stomp + 1 hand hoeing	98.88	100.18	23.86	24.21	20.76	20.95	56.49	57.35	2.82	2.91	33.45	33.63	1.40	1.42	2.60	2.61	4.00	4.03
W_8: Hand hoeing (2)	96.22	97.40	21.77	22.10	19.77	19.88	51.73	52.76	2.50	2.70	29.44	29.84	1.37	1.39	2.48	2.50	3.85	3.89
W_9: Unweeded check	76.37	77.31	12.95	13.19	12.55	12.65	31.80	32.62	1.60	1.31	17.78	18.10	0.70	0.71	1.75	1.77	2.44	2.48
W_{10}: Weed free	101.39	102.52	24.78	25.22	21.26	21.44	62.43	62.63	2.90	3.00	34.51	34.67	1.45	1.46	2.63	2.65	4.08	4.11
LSD $_{(0.05)}$	**2.33**	**2.14**	**0.45**	**0.35**	**0.59**	**0.59**	**1.21**	**1.20**	**0.23**	**0.26**	**0.32**	**0.54**	**0.06**	**0.05**	**0.03**	**0.04**	**0.08**	**0.08**
F-test	**NS**	**NS**	*	*	**NS**	**NS**	*	*	**NS**	**NS**	*	*	**NS**	**NS**	*	*	*	*

Table 7. Increasing percentage of seed yield, straw yield and biological yield by weed control treatments and the mean of both seasons.

Weed control treatments (L fed^{-1})	Increase % of								
	Seed yield			Straw yield			Biological yield		
	2015	2016	Mean	2015	2016	Mean	2015	2016	Mean
W_1: Gesagard (FW50%)at the rate 1.0 L	80.00	78.87	79	36.57	36.72	37	49.59	48.79	49
W_2:Fusilade super (EC12.5%) at the rate 1.0 L	74.28	73.24	74	32.57	33.33	33	45.08	44.76	45
W_3: Gesagard (FW50%)+ Fusilade super(EC12.5%)	94.28	94.37	94	40.57	40.11	40	56.56	55.65	56
W_4: Stomp (EC 50%) at the rate 1.7 L	87.14	87.32	87	41.14	40.68	41	54.51	54.03	54
W_5: Stomp (EC50%) + Select- super (EC12.5%)	95.71	97.18	96	45.14	44.63	45	60.25	60.08	60
W_6: Select-Super (EC12.5%) at the rate 1.0 L	75.71	74.65	75	32.57	33.90	33	45.49	45.97	46
W_7: Stomp (EC50%) + 1 hand hoeing	100.00	100.00	100	48.57	47.46	48	63.93	62.50	63
W_8: Hand hoeing (2)	95.71	95.77	96	41.71	41.24	41	57.79	56.85	57
W_{10}: Weed free	107.14	105.63	106	50.29	49.72	50	67.21	65.73	66
W9:Unweeded check	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**