

Table (4) : Effect of dry yeast, seaweed, garlic oil, bee pollen extracts, potassium humate and their combined effect on bulb yield attributes of onion during 2019/2020 and 2020/2021 seasons

Treatments	Total yield (ton/feddan)		Marketable Yield (ton/fed)		Culls yield (ton/fed)		Average bulb weight after (g) 120 days (at harvesting time)	
	2019/2020	2020/2021	2019/2020	2020/2021	2019/2020	2020/2021	2019/2020	2020/2021
Dry yeast extracts (4 g/L).	11.5	11.7	10.71	10.83	0.79	0.87	70.47	75.11
Seaweed extracts (2 ml / L)	12.9	12.7	11.71	11.63	1.19	1.07	80.55	83.12
Garlic oil extract (2.0 ml /L).	10.7	10.3	9.39	8.91	1.31	1.39	78.97	79.06
Bee Pollen (2 g /L).	12.8	12.4	11.58	11.14	1.22	1.26	75.69	76.19
Dry yeast extract (2 g/L) + Bee pollen extract (1g L).	12.7	12.1		10.87	2.04	1.23	72.17	73.22
Foliar spray with potassium humate (1.5 cm/L).	15.7	15.5	14.92	14.76	0.78	0.74	90.35	89.17
Dry yeast (2 g /L) + Seaweed extract (1 ml /L).	16.1	15.8	15.47	15.47	0.63	0.33	97.81	98.012
Garlic oil extract (1 ml/L) + Dry yeast extract (1 g /L) + Bee pollen extract ($\frac{1}{2}$ g /L) + Seaweed extract ($\frac{1}{2}$ ml/L).	16.7	16.6	15.83	15.97	0.87	0.63	115.33	112.59
Dry yeast extract (1 g /L) + Bee pollen ($\frac{1}{2}$ g /L) + Seaweed extract ($\frac{1}{2}$ ml. /L)	16.3	16.2	15.75	15.79	0.55	0.41	103.45	104.47
Control (without any addition)	9.9	9.4	8.49	7.87	1.41	1.53	50.33	53.44
LSD (0.05)	0.1	0.2	0.22	0.17	0.13	0.11	3.42	3.45

Table (5) : Effect of dry yeast, seaweed, garlic oil, bee pollen extracts , potassium and their combined effect on bulb diameter at 60, 90 and 120 days after transplanting of onion during 2019/2020 and 2020/2021 seasons

Treatments	Bulb diameter (cm) (60 days)		Bulb diameter After/ 90 days		Bulb diameter After/ 120 days	
	2019/2020	2020/2021	2019/2020	2020/2021	2019/2020	2020/2021
Dry yeast extracts (4 g/L).	2.33	2.44	3.7	3.7	6.5	5.7
Seaweed extracts (6 ml/ 3 L) – (2 ml / L)	2.59	2.57	3.6	3.9	7.6	7.2
Garlic oil extract (2.0 ml /L).	2.47	2.53	3.5	3.7	5.8	6.1
Bee Pollen (2 g /L).	2.53	2.39	3.2	3.6	6.2	5.9
Dry yeast extract (2 g/L) + Bee pollen extract (1g L).	2.39	2.55	3.4	3.5	7.4	6.4
Foliar spray with potassium humate (1.5 cm/L).	2.71	2.66	3.8	4.0	7.9	7.3
Dry yeast (2 g /L) + Seaweed extract (1 ml /L).	2.81	2.79	3.9	4.2	8.4	8.1
Garlic oil extract (1 ml/L) + Dry yeast extract (1 g /L) + Bee pollen extract ($\frac{1}{2}$ g /L) + Seaweed extract ($\frac{1}{2}$ ml/L).	2.89	2.89	4.5	4.6	8.6	8.7
Dry yeast extract (1 g /L) + Bee pollen ($\frac{1}{2}$ g /L) + Seaweed extract ($\frac{1}{2}$ cm. /L)	2.85	2.86	4.2	4.2	8.3	8.4
Control (without any addition)	2.23	2.25	3.0	3.6	5.7	5.3
LSD (0.05)	0.03	0.05	0.1	0.1	0.1	0.1