

**Table ( 3 ): Effect of GA3 ,dry yeast +PK-fertilizer and its combined effect on plant growth of onion during 2019/2020 and 2020/2021 seasons**

Treatments	Plant height (cm)		Number of leaves		Plant fresh weight (g)		Plant dry weight (g)	
	2019/2020	2020/2021	2019/2020	2020/2021	2019/2020	2020/2021	2019/2020	2020/2021
Control (without any addition)	38.22	38.26	18.63	18.57	131.17	133.51	22.57	23.49
GA3 at 50 ppm .	40.52	42.90	21.32	21.38	156.55	157.53	27.15	28.11
GA3 at 100 ppm.	42.83	41.90	23.17	23.20	158.55	157.69	30.43	29.51
dry yeast at 4/g/l + phosphoric acid, 16% P <sub>2</sub> O <sub>2</sub> + potassium silicate, 32% K <sub>2</sub> O).	41.39	40.57	18.79	18.72	144.17	142.89	24.41	23.15
8 g/L (dry yeast + phosphoric acid, 16% P <sub>2</sub> O <sub>2</sub> + potassium silicate, 32% K <sub>2</sub> O).	41.59	41.29	19.12	19.15	146.14	145.35	25.08	24.87
12 g/L (dry yeast + phosphoric acid, 16% P <sub>2</sub> O <sub>2</sub> + potassium silicate, 32% K <sub>2</sub> O).	41.83	41.55	19.65	19.70	148.45	150.33	25.27	25.09
GA3 at 50 ppm + dry yeast at 4/g/l + phosphoric acid, 16% P <sub>2</sub> O <sub>2</sub> + potassium silicate, 32% K <sub>2</sub> O).	43.89	43.93	23.29	23.32	160.21	161.17	30.83	31.17
GA3 at 50 ppm + dry yeast at 8 g/l + phosphoric acid, 16% P <sub>2</sub> O <sub>2</sub> + potassium silicate, 32% K <sub>2</sub> O).	44.52	44.55	24.25	24.22	161.17	162.09	33.17	32.10
GA3 at 50 ppm + dry yeast at 12 g/l + phosphoric acid, 16% P <sub>2</sub> O <sub>2</sub> + potassium silicate, 32% K <sub>2</sub> O).	46.35	46.31	24.33	24.30	166.22	168.12	36.15	35.22
<b>LS.D (0.05)</b>	<b>0.07</b>	<b>0.08</b>	<b>0.09</b>	<b>0.07</b>	<b>1.17</b>	<b>1.13</b>	<b>1.07</b>	<b>1.08</b>

**Table ( 4 ): Effect of GA3, dry yeast +PK-fertilizer and its combined effect on chlorophyll pigment of onion during 2019/2020 and 2020/2021 seasons**

Treatments	Chlorophyll (a)		Chlorophyll (b)		Total chlorophyll (a+b)	
	2019/2020	2020/2021	2019/2020	2020/2021	2019/2020	2020/2021
Control (without any addition)	0.47	0.45	0.40	0.41	0.87	0.86
GA3 at 50 ppm .	0.66	0.630	0.49	0.49	1.15	1.09
GA3 at 100 ppm.	0.63	0.62	0.45	0.43	1.08	1.05
dry yeast at 4/g/l + phosphoric acid, 16% P <sub>2</sub> O <sub>2</sub> + potassium silicate, 32% K <sub>2</sub> O).	0.50	0.52	0.41.	0.41	0.91	0.93
8 g/L (dry yeast + phosphoric acid, 16% P <sub>2</sub> O <sub>2</sub> + potassium silicate, 32% K <sub>2</sub> O).	0.53	0.55	0.42	0.41	0.95	0.96
12 g/L (dry yeast + phosphoric acid, 16% P <sub>2</sub> O <sub>2</sub> + potassium silicate, 32% K <sub>2</sub> O).	0.60	0.57	0.43	0.44	1.03	1.01
GA3 at 50 ppm + dry yeast at 4/g/l + phosphoric acid, 16% P <sub>2</sub> O <sub>2</sub> + potassium silicate, 32% K <sub>2</sub> O).	0.73	0.70	0.53	0.51	1.26	1.21
GA3 at 50 ppm + dry yeast at 8 g/l + phosphoric acid, 16% P <sub>2</sub> O <sub>2</sub> + potassium silicate, 32% K <sub>2</sub> O).	0.77	0.79	0.56	0.53	1.33	1.32
GA3 at 50 ppm + dry yeast at 12 g/l + phosphoric acid, 16% P <sub>2</sub> O <sub>2</sub> + potassium silicate, 32% K <sub>2</sub> O).	0.81	0.84	0.58	0.54	1.39	1.38
LS.D (0.05)	0.05	0.04	0.01	0.01	0.02	0.03

**Table ( 5 ): Effect of GA3 ,dry yeast +PK-fertilizer and its combined effect on seed yield of onion during 2019/2020 and 2020/2021 seasons**

Treatments	Seeds weight /plant (g)		Seed yield/fed. (Kg)		1000 Seeds weight (g)	
	2019/2020	2020/2021	2019/2020	2020/2021	2019/2020	2020/2021
Control (without any addition)	0.91	0.92	153.600	153.128	2.95	2.97
GA3 at 50 ppm .	1.04	1.02	163.361	163.772	3.09	3.03
GA3 at 100 ppm.	1.18	1.17	171.107	171.137	3.27	3.25
dry yeast at 4/g/l + phosphoric acid, 16% P <sub>2</sub> O <sub>2</sub> + potassium silicate, 32% K <sub>2</sub> O).	0.96	0.93	155.248	155.129	3.03	3.01
8 g/L (dry yeast + phosphoric acid, 16% P <sub>2</sub> O <sub>2</sub> + potassium silicate, 32% K <sub>2</sub> O).	0.99	0.97	157.155	157.197	3.05	3.02
12 g/L (dry yeast + phosphoric acid, 16% P <sub>2</sub> O <sub>2</sub> + potassium silicate, 32% K <sub>2</sub> O).	1.01	1.01	159.240	158.829	3.07	3.01
GA3 at 50 ppm + dry yeast at 4/g/l + phosphoric acid, 16% P <sub>2</sub> O <sub>2</sub> + potassium silicate, 32% K <sub>2</sub> O).	1.11	1.12	168.171	168.639	3.17	3.12
GA3 at 50 ppm + dry yeast at 8 g/l + phosphoric acid, 16% P <sub>2</sub> O <sub>2</sub> + potassium silicate, 32% K <sub>2</sub> O).	1.15	1.13	168.733	169.206	3.22	3.19
GA3 at 50 ppm + dry yeast at 12 g/l + phosphoric acid, 16% P <sub>2</sub> O <sub>2</sub> + potassium silicate, 32% K <sub>2</sub> O).	1.07	1.05	167.201	167.236	3.12	3.07
<b>LS.D (0.05)</b>	<b>0.02</b>	<b>0.02</b>	<b>1.83</b>	<b>1.80</b>	<b>0.03</b>	<b>0.02</b>