

columns respectively of the table, but it should be remembered that these relate only to the present year.

**MANNER AND TIME OF SEEDING.** The seed was sown by hand as we have no machines suitable for sowing in drills in plots of the size mentioned. The plots were all sown Sept. 2nd, with the exception of Nos. 27, 29, 36 and 40 of Table I. given below, which were sown Sept. 9th, and Nos. 34, 37 and 39, which were sown Sept. 15th. The same amount of seed was sown upon each plot, at the rate of  $1\frac{1}{2}$  bushels per acre by weight.

**THE CONDITIONS OF SEASON AND WEATHER.** These were on the whole not so favorable as during the previous wheat year. The weather in the autumn was such that all the Canadian and American varieties made a good growth and they also passed the winter safely. But the months of May and June were abnormally wet, which along with the heavy winds that prevailed caused more or less of lodging in nearly all the varieties. Some of them also rusted considerably. In fact none of them could be said to be entirely free from leaf rust. During the ripening period the temperature was unduly high, but notwithstanding the yields were in many instances fair.

Table II. gives yields of 15 varieties for three years.

Varieties.	Straw per acre (tons).		Weight per meas- ured bushel (lb.).		Grain per acre (bush. 60 lb.).	
	1892.	Average 1890-92.	1892	Average 1890-92.	1892.	Average 1890-92.
Surprise .....	3.43	2.71	59.8	60.6	45.7	46.7
Early Red Clawson .....	3.22	2.57	59.3	59.9	46.7	45.7
Rogers .....	3.23	2.53	60.0	61.1	40.5	43.2
Red Velvet Chaff .....	3.07	2.49	57.5	60.8	35.8	42.8
Golden Drop .....	3.46	2.53	62.0	62.1	51.2	42.8
Bonnell or Landreth .....	3.27	2.76	58.4	60.7	34.3	41.9
Golden Cross or Volunteer .....	2.83	2.50	61.5	61.3	43.8	41.9
Manchester .....	3.41	2.47	60.4	62.0	45.4	41.7
Standard .....	3.44	2.73	57.8	60.2	31.8	40.6
Hybrid Mediterranean .....	3.53	2.72	61.0	61.8	45.5	40.5
Martin Amber .....	3.18	2.65	60.2	61.2	37.3	40.0
Seneca or Clawson .....	3.45	2.76	58.8	60.2	34.0	39.4
Lancaster .....	3.61	2.86	61.5	62.6	41.3	39.1
Red Lion .....	3.96	2.81	61.1	61.7	41.2	38.5
New Monarch .....	3.27	2.49	61.5	60.6	41.1	33.9

As the facts given in Table II. relate not only to results of the year's crop, but also to the average obtained for the past three years they may be regarded as of special importance. The average yield