

EXPERIMENTS WITH SPRING WHEAT.

Thirty-nine varieties of spring wheat were tested during the season of 1896, all sown on 30th April on plots of $\frac{1}{20}$ acre each. The land on which these wheats were grown was adjoining that used for the test of varieties of oats, the soil was similar and the treatment of the land the same. The previous crop was oats.

Name of Variety.	Date of Ripening.	No. of Days Maturing.	Length of Straw.	Character of Straw.	Length of Head.	Kind of Head.	Yield per Acre.		Weight per Bushel.	Proportion Rusted.
							Bush.	Lbs.		
Hungarian	Aug. 4	96	47 to 51	Stiff.	3 to 3 $\frac{1}{2}$	Bearded.	24	20	63	Slightly.
Preston	do 3	95	39 to 51	do	3 to 4	do	24	20	62	do
Stanley	do 3	95	39 to 48	do	3 to 4	Beardless.	23	20	60 $\frac{1}{2}$	do
Alpha	do 3	95	46 to 55	do	3 to 4	do	22	50	60 $\frac{1}{2}$	do
White Russian	do 9	101	45 to 54	do	3 $\frac{1}{2}$ to 4 $\frac{1}{2}$	do	22	30	60 $\frac{1}{2}$	do
Monarch	do 8	100	48 to 54	do	3 $\frac{1}{2}$ to 4 $\frac{1}{2}$	do	22	10	60 $\frac{1}{2}$	do
Colorado	do 4	96	44 to 50	do	3 to 3 $\frac{1}{2}$	Bearded.	22	20	62 $\frac{1}{2}$	do
Golden Drop	do 4	96	40 to 48	do	2 $\frac{1}{2}$ to 3 $\frac{1}{2}$	Beardless.	21	40	61	do
Beauty	do 7	99	51 to 60	do	3 $\frac{1}{2}$ to 5	do	21	30	59 $\frac{1}{2}$	do
Rio Grande	do 9	101	50 to 55	do	3 $\frac{1}{2}$ to 5	Bearded.	21	20	63	do
Progress	do 3	95	48 to 58	do	3 to 4	Beardless.	21	10	60 $\frac{1}{2}$	do
Red Fife	do 8	100	40 to 48	do	3 to 4	do	20	40	61 $\frac{1}{2}$	Very slightly.
Beaudry	do 4	96	39 to 54	do	2 $\frac{1}{2}$ to 3 $\frac{1}{2}$	Bearded.	20	20	63 $\frac{1}{2}$	do
Goose	do 10	102	48 to 54	do	2 $\frac{1}{2}$ to 3	do	19	40	64 $\frac{1}{2}$	do
Dawn	July 30	91	42 to 48	do	3 to 4	Beardless.	19	40	61 $\frac{1}{2}$	Slightly.
Crown	Aug. 4	96	42 to 51	do	3 to 4	Bearded.	19	20	59	Very slightly.
Advance	do 4	96	42 to 56	do	3 to 4 $\frac{1}{2}$	do	19	20	60 $\frac{1}{2}$	do
Vernon	do 5	97	42 to 51	do	2 $\frac{1}{2}$ to 3 $\frac{1}{2}$	do	19	10	61 $\frac{1}{2}$	Slightly.
Huron	do 4	96	39 to 52	do	3 to 4 $\frac{1}{2}$	do	19	60 $\frac{1}{2}$	60 $\frac{1}{2}$	Very slightly.
Pringle's Champlain	do 8	100	51 to 60	do	3 $\frac{1}{2}$ to 5	do	19	60 $\frac{1}{2}$	60 $\frac{1}{2}$	do
Black Sea	July 31	92	42 to 48	do	3 to 4	do	17	40	59	Slightly.
Herisson Bearded	Aug. 5	97	38 to 48	do	1 $\frac{1}{2}$ to 2 $\frac{1}{2}$	do	17	30	64 $\frac{1}{2}$	Very slightly.
Percy	do 4	96	48 to 56	do	3 $\frac{1}{2}$ to 4 $\frac{1}{2}$	Beardless.	17	20	61	do
Percy White Chaff	do 4	96	44 to 54	do	3 $\frac{1}{2}$ to 4 $\frac{1}{2}$	do	16	50	60 $\frac{1}{2}$	do
Captor	do 5	97	48 to 57	do	3 $\frac{1}{2}$ to 4 $\frac{1}{2}$	do	16	40	59 $\frac{1}{2}$	Slightly.
Red Fern	do 8	100	48 to 59	do	4 to 5	Bearded.	16	40	62 $\frac{1}{2}$	Very slightly.
White Connell	do 10	102	44 to 52	do	3 to 3 $\frac{1}{2}$	Beardless.	16	40	60 $\frac{1}{2}$	Slightly.
Ladoga	July 30	91	36 to 48	do	3 to 4	Bearded.	16	20	59	do
Admiral	Aug. 5	97	46 to 53	do	3 to 4	Beardless.	16	10	59 $\frac{1}{2}$	do
Old Red River	do 9	101	42 to 48	do	2 $\frac{1}{2}$ to 3 $\frac{1}{2}$	do	15	40	61	do
Captor Red Chaff	do 7	99	48 to 57	do	3 $\frac{1}{2}$ to 4 $\frac{1}{2}$	do	15	10	58 $\frac{1}{2}$	Very slightly.
Dion's	do 8	100	46 to 56	do	4 to 5	Bearded.	15	60	62	do
Wellman's Fife	do 9	101	48 to 57	do	4 to 5	Beardless.	14	50	60 $\frac{1}{2}$	Slightly.
Emporium	do 8	100	48 to 54	do	3 $\frac{1}{2}$ to 4 $\frac{1}{2}$	Bearded.	14	40	63	Very slightly.
Campbell's White Chaff	do 5	97	41 to 48	do	2 $\frac{1}{2}$ to 3 $\frac{1}{2}$	Beardless.	14	40	59	Slightly.
White Fife	do 10	102	42 to 48	do	3 to 3 $\frac{1}{2}$	do	14	20	61	do
Blenheim	do 3	95	46 to 54	do	3 to 4	Bearded.	14	30	59 $\frac{1}{2}$	Very slightly.
Dufferin	do 2	94	45 to 52	do	3 to 4	do	13	30	58 $\frac{1}{2}$	Slightly.
Gehun	do 5	97	36 to 42	do	3 $\frac{1}{2}$ to 4	Beardless.	9	60	60	do

In the preceding list there are included fifteen of the new cross-bred sorts which have been originated at the experimental farms. The following is a list of their names with their parentage:—

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| 1. Preston—Ladoga | Female with | Red Fife | Male. |
| 2. Stanley—Ladoga | do | Red Fife | do |
| 3. Alpha—Ladoga | do | White Fife | do |
| 4. Beauty—Red Fife | do | No. 1 Club Bombay | do |
| 5. Progress—Red Fife | do | Ladoga | do |
| 6. Dawn—Early Sonora | do | Red Fife | do |
| 7. Crown—Ladoga | do | White Fife | do |
| 8. Advance—Ladoga | do | White Fife | do |