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ROTHAMSTED  
RESEARCH

# Memoranda of the Field Experiments at Rothamsted: May 1879



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## Experiments With Different Descriptions of Wheat: Sawpit Field

### Rothamsted Research

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EXPERIMENTS WITH DIFFERENT DESCRIPTIONS OF WHEAT, IN 1879; AND SUMMARY OF RESULTS OBTAINED IN PREVIOUS YEARS.

Season 1879.	1871;	1872;	1873;	1874;	1875;	1876;	1877;	1878;	1879;	1880;	1881;	1882;	Averages, up to 1878 inclusive.	Nos.
LITTLE KNOTT-WOOD FIELD, 2 cws. Nitrate Soda; after Clover, Unmanured, First and second Crops, as Hay; afterwards Fed.	Sawpit Field; 3 cws. Guano; Mangolds, carried off.	Foster's Field; 2 cws. Super- phosphate, 2 cws. Nitrate Soda; after carried off.	Long Hoos Field; 1½ cwt. Nitrate; after Mangolds (with Dung), carried off.	Upper Harpenden Field; 2 cws. Nitrate; after Mangolds (with Dung), carried off.	Little Knott- Wood Field; 1½ cwt. Nitrate Soda; after Mangolds (with Dung), 1874, carried off.	Harpenden Field; 2 cws. Nitrate Soda; after Mangolds (with Dung), 1876, carried off.	Sawpit Field; 1½ cwt. Nitrate Soda; after Mangolds (with Dung), 1877, carried off.	Foster's Field; 2 cws. Nitrate; after White Turnips (with Dung and Artificial Crops, as Hay; 1877, part Red, part carted off. Fed.	Little Knott- Wood Field; 2 cws. Nitrate; after Clover; First and second Crops, as Hay; 1877, part Red, afterwards Fed.					
1. White-chaff (Red) .. .. .	.. .. .	.. .. .	40½	55½	40½	49½	48½	59	.. .. .	.. .. .	.. .. .	.. .. .	48½	1
2. Rivett's (Red) .. .. .	.. .. .	.. .. .	48½	67	48½	42½	40½	66½	.. .. .	.. .. .	.. .. .	.. .. .	66½	2
3. Chubb Wheat (Red) .. .. .	28½	40	35½	50½	38½	40½	41½	55½	.. .. .	.. .. .	.. .. .	.. .. .	55½	3
4. Red-chaff (White) .. .. .	32½	37	35½	48½	34½	43½	41	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	41½	4
5. Browick (Red) .. .. .	35½	40½	38½	51½	38½	39½	40½	49½	.. .. .	.. .. .	.. .. .	.. .. .	41½	5
6. Red Wonder .. .. .	31½	43½	37½	55½	33½	41½	41½	52½	.. .. .	.. .. .	.. .. .	.. .. .	42½	6
7. Burwell (Old Red Lammes) .. .. .	31½	41½	35½	47½	38½	38½	39	46½	.. .. .	.. .. .	.. .. .	.. .. .	39½	7
8. Bristol Red .. .. .	29½	44½	39½	44½	31½	42½	44½	52½	.. .. .	.. .. .	.. .. .	.. .. .	42½	8
9. Red Nursery .. .. .	34½	45½	27½	53½	39	40½	40½	47½	.. .. .	.. .. .	.. .. .	.. .. .	42½	9
10. Red Langham .. .. .	30½	43½	35½	55½	36½	42½	42½	50½	.. .. .	.. .. .	.. .. .	.. .. .	39½	10
11. Woolly Ear (White) .. .. .	31½	42½	37	51½	37½	37½	37½	48½	.. .. .	.. .. .	.. .. .	.. .. .	41½	11
12. Hardcastle (White) .. .. .	.. .. .	46½	42	49½	33½	44	42½	54	.. .. .	.. .. .	.. .. .	.. .. .	44½	12
13. Golden Drop (Red), Hallett's .. .. .	39½	49½	44½	54½	38½	48½	49½	52½	.. .. .	.. .. .	.. .. .	.. .. .	46½	13
14. Victoria White, Hallett's .. .. .	33½	45½	38½	51½	33½	41½	42½	43½	.. .. .	.. .. .	.. .. .	.. .. .	46½	14
15. Hunter's White, Hallett's .. .. .	26½	39½	35½	46½	26½	43½	40	42½	.. .. .	.. .. .	.. .. .	.. .. .	37½	15
16. Original Red, Hallett's .. .. .	30	35½	38½	43½	26	43½	40	42½	.. .. .	.. .. .	.. .. .	.. .. .	37½	16
17. White Chiddam .. .. .	26½	38½	31½	43½	40	44½	44½	49½	.. .. .	.. .. .	.. .. .	.. .. .	36½	17
18. Red Roscoe .. .. .	37	.. .. .	40½	53½	32½	37½	37½	49½	.. .. .	.. .. .	.. .. .	.. .. .	37½	18
19. Casey's White .. .. .	29½	.. .. .	42½	53½	37½	40	40	47½	.. .. .	.. .. .	.. .. .	.. .. .	37½	19
20. Golden Rough-chaff (Red) .. .. .	33	39½	37½	52½	38½	45½	43	47½	.. .. .	.. .. .	.. .. .	.. .. .	42½	20
21. Bole's Prolific (Red) .. .. .	38½	42½	38½	52½	43½	38½	38½	46½	.. .. .	.. .. .	.. .. .	.. .. .	44	21
22. Club Wheat (Red) .. .. .	36	45½	45½	49½	46½	41½	41½	52½	.. .. .	.. .. .	.. .. .	.. .. .	44	22
23. Main's Standing White .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	61	.. .. .	.. .. .	.. .. .	.. .. .	50½	23
24. Main's Rough-chaff (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	50½	.. .. .	.. .. .	.. .. .	.. .. .	50½	24
25. Belgian (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	52½	.. .. .	.. .. .	.. .. .	.. .. .	52½	25
Means .. .. .	32½	42½	38½	50½	36½	42½	42½	51½	.. .. .	.. .. .	.. .. .	.. .. .	48½	Means.

DRESSED CORN PER ACRE. Bushels.

WEIGHT PER BUSHEL. Lbs.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	Means.
1. White-chaff (Red) .. .. .	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
2. Rivett's (Red) .. .. .	58½	57½	59½	60½	59½	60½	60½	60½	60½	60½	60½	60½	60½	60½	60½	60½	60½	60½	60½	60½	60½	60½	60½	60½	60½
3. Chubb Wheat (Red) .. .. .	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
4. Red-chaff (White) .. .. .	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
5. Browick (Red) .. .. .	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
6. Red Wonder .. .. .	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
7. Burwell (Old Red Lammes) .. .. .	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
8. Bristol Red .. .. .	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
9. Red Nursery .. .. .	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
10. Red Langham .. .. .	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
11. Woolly Ear (White) .. .. .	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
12. Hardcastle (White) .. .. .	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
13. Golden Drop (Red), Hallett's .. .. .	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
14. Victoria White, Hallett's .. .. .	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
15. Hunter's White, Hallett's .. .. .	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
16. Original Red, Hallett's .. .. .	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
17. White Chiddam .. .. .	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
18. Red Roscoe .. .. .	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
19. Casey's White .. .. .	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
20. Golden Rough-chaff (Red) .. .. .	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
21. Bole's Prolific (Red) .. .. .	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
22. Club Wheat (Red) .. .. .	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
23. Main's Standing White .. .. .	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
24. Main's Rough-chaff (White) .. .. .	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
25. Belgian (White) .. .. .	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
Means .. .. .	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62