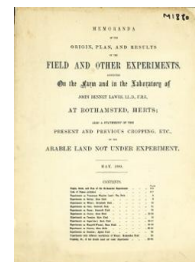


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Memoranda of the Field Experiments at Rothamsted: May 1880



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Experiments With Different Descriptions of Wheat: Harpenden Field

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EXPERIMENTS WITH DIFFERENT DESCRIPTIONS OF WHEAT, IN 1880, AND SUMMARY OF RESULTS OBTAINED IN PREVIOUS YEARS.

Season 1880.	1871;	1872;	1873;	1874;	1875;	1876;	1877;	1878;	1879; (C)	1880;	1881;	1882;	Averages, up to 1878 inclusive.	Nos.
Season 1880. HARPENDEN FIELD. 50 Bushels of Soot; after Clover; Unmanured. One Crop, as Hay; afterwards Fed.	Sawpit Field; 3 cwt. Guano; after Mangolds, carted off.	Foster's Field; 2 cwt. Super- phosphate, 2 cwt. Nitrate Soda; after Hoops, carted off.	Long Hoop Field; 1 1/2 cwt. Nitrate; after Mangolds (with Dung), carted off.	Upper Harpenden Field; 2 cwt. Nitrate; after Mangolds (with Dung), carted off.	Little Knot- Wood Field; 1 1/2 cwt. Nitrate Soda; after Mangolds (with Dung), 1874, carted off.	Harpenden Field; 2 cwt. Nitrate Soda; after Mangolds (with Dung), 1876, carted off.	Sawpit Field; 1 1/2 cwt. Nitrate Soda; after Mangolds (with Dung), 1876, carted off.	Foster's Field; 2 cwt. Nitrate, after White Turnips (with Dung and Artificial) 1877, part Fed, part carted off.	Little Knot- Wood Field; 2 cwt. Nitrate, after Clover. First and second Crops, as Hay; afterwards Fed.	Harpenden Field; 50 bushels of Soot; after Clover Unmanured. One Crop as Hay; after- wards Fed.				
1. White-chaff (Red) .. .. .	.. .. .	.. .. .	40 1/2	55 1/2	40 1/2	49 1/2	48 1/2	59	22 1/2	48 1/2			48 1/2	1
2. Rivett's (Red) .. .. .	.. .. .	.. .. .	48 1/2	67	48 1/2	49 1/2	49 1/2	66 1/2	16	49 1/2			53 1/2	2
3. Chubb Wheat (Red)	28 1/2	40	35 1/2	50 1/2	38 1/2	40 1/2	41 1/2	55 1/2	20 1/2	41 1/2			41 1/2	3
4. Red-chaff (White)	32 1/2	57	38 1/2	48 1/2	34 1/2	43 1/2	40	.. .. .	.. .. .	.. .. .			39	4
5. Browick (Red)	35 1/2	40 1/2	37 1/2	51 1/2	38 1/2	39 1/2	40 1/2	49 1/2	24	.. .. .			41 1/2	5
6. Red Wonder	31 1/2	43 1/2	35 1/2	47 1/2	38 1/2	44 1/2	39	52 1/2	22	.. .. .			42 1/2	6
7. Burwell (Old Red Lammus)	31 1/2	41 1/2	35 1/2	47 1/2	31 1/2	42 1/2	40 1/2	52 1/2	21 1/2	.. .. .			39 1/2	7
8. Bristol Red	29 1/2	44 1/2	39 1/2	47 1/2	39	37 1/2	40 1/2	47 1/2	30 1/2	.. .. .			42 1/2	8
9. Red Nursery	34 1/2	45 1/2	27 1/2	41 1/2	39	37 1/2	40 1/2	50 1/2	25 1/2	.. .. .			35 1/2	9
10. Red Langham	30 1/2	43 1/2	34 1/2	51 1/2	34 1/2	42 1/2	42 1/2	50 1/2	20	.. .. .			41 1/2	10
11. Woolly Ear (White)	31 1/2	42 1/2	37 1/2	46 1/2	37	44	42 1/2	54	21 1/2	.. .. .			44 1/2	11
12. Hardsale (White) .. .. .	.. .. .	46 1/2	42	49 1/2	33 1/2	44	42 1/2	54	21 1/2	.. .. .			44 1/2	12
13. Golden Drop (Red), Hallett's	39 1/2	44 1/2	44 1/2	48 1/2	38 1/2	48 1/2	49 1/2	52 1/2	21	.. .. .			46 1/2	13
14. Victoria White, Hallett's	33 1/2	45 1/2	38 1/2	51 1/2	33 1/2	41 1/2	42 1/2	43 1/2	14 1/2	.. .. .			40 1/2	14
15. Hunter's White, Hallett's	26 1/2	35 1/2	35 1/2	44 1/2	26 1/2	33 1/2	40	42 1/2	17 1/2	.. .. .			37 1/2	15
16. Original Red, Hallett's	35 1/2	36 1/2	36 1/2	43 1/2	35 1/2	40 1/2	44 1/2	42 1/2	.. .. .	.. .. .			36 1/2	16
17. White Chidlam	38 1/2	38 1/2	36 1/2	42	38 1/2	40 1/2	44 1/2	.. .. .	.. .. .	.. .. .			36 1/2	17
18. Red Rostock	37	.. .. .	46 1/2	37 1/2	42	37 1/2	37 1/2	49 1/2	11 1/2	.. .. .			37 1/2	18
19. Casey's White	29 1/2	.. .. .	42 1/2	53 1/2	37 1/2	40	43	57	18 1/2	.. .. .			45 1/2	19
20. Golden Rough-chaff (Red)	33	.. .. .	38 1/2	52 1/2	38 1/2	45 1/2	44 1/2	46 1/2	15 1/2	.. .. .			40 1/2	20
21. Bole's Prolife (Red)	42 1/2	.. .. .	45 1/2	48 1/2	43 1/2	41 1/2	44 1/2	52 1/2	31	.. .. .			44	21
22. Club Wheat (Red)	36	.. .. .	47 1/2	59 1/2	46 1/2	47 1/2	49 1/2	61	23 1/2	.. .. .			49 1/2	22
23. Main's Standing White .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	50 1/2	32 1/2	.. .. .			50 1/2	23
24. Main's Rough-chaff (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	50 1/2	24	.. .. .			50 1/2	24
25. Belgian (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	52 1/2	21 1/2	.. .. .			52 1/2	25
26. Webb's Challenge (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .			.. .. .	.. .. .
Means	32 1/2	42 1/2	38 1/2	50 1/2	36 1/2	42 1/2	42 1/2	51 1/2	21 1/2	.. .. .			42 1/2	Means.

DRESSED CORN PER ACRE. Bushels.

WEIGHT PER BUSHEL. Lbs.

1. White-chaff (Red)	61	63	60 1/2	60 1/2	60 1/2	60 1/2	60 1/2	60 1/2	51 1/2	61			61	1
2. Rivett's (Red)	58 1/2	59 1/2	58 1/2	60 1/2	58 1/2	59 1/2	60 1/2	60 1/2	49 1/2	58 1/2			58 1/2	2
3. Chubb Wheat (Red)	60 1/2	61 1/2	60 1/2	61 1/2	60 1/2	60 1/2	60 1/2	60 1/2	53	60 1/2			60 1/2	3
4. Red-chaff (White)	61 1/2	62 1/2	60 1/2	62 1/2	61 1/2	62 1/2	61 1/2	61 1/2	.. .. .	.. .. .			61 1/2	4
5. Browick (Red)	60	61 1/2	60	62 1/2	60 1/2	63	61 1/2	63	52 1/2	61 1/2			61 1/2	5
6. Red Wonder	59	60 1/2	60 1/2	62 1/2	60 1/2	64 1/2	61 1/2	64	55 1/2	61 1/2			61 1/2	6
7. Burwell (Old Red Lammus)	62	63 1/2	61 1/2	63 1/2	61 1/2	62 1/2	61 1/2	63 1/2	54 1/2	61 1/2			61 1/2	7
8. Bristol Red	60 1/2	61 1/2	60 1/2	62 1/2	60 1/2	66	62 1/2	62 1/2	57 1/2	61 1/2			61 1/2	8
9. Red Nursery	63	65 1/2	65 1/2	65 1/2	60 1/2	62 1/2	61 1/2	63 1/2	54 1/2	63 1/2			63 1/2	9
10. Red Langham	60 1/2	61 1/2	60 1/2	62 1/2	60 1/2	63 1/2	61 1/2	61 1/2	54 1/2	61 1/2			61 1/2	10
11. Woolly Ear (White)	61 1/2	62 1/2	61 1/2	62 1/2	61 1/2	63 1/2	61 1/2	61 1/2	52 1/2	61 1/2			61 1/2	11
12. Hardsale (White)	61 1/2	63 1/2	61 1/2	63 1/2	61 1/2	64 1/2	61 1/2	63 1/2	52 1/2	62 1/2			62 1/2	12
13. Golden Drop (Red), Hallett's	61 1/2	63 1/2	61 1/2	63 1/2	61 1/2	63 1/2	61 1/2	61 1/2	52 1/2	61 1/2			61 1/2	13
14. Victoria White, Hallett's	61 1/2	63 1/2	61 1/2	63 1/2	61 1/2	63 1/2	61 1/2	61 1/2	55	61 1/2			61 1/2	14
15. Hunter's White, Hallett's	59 1/2	60 1/2	60 1/2	62 1/2	60 1/2	63 1/2	60 1/2	60 1/2	55 1/2	60 1/2			60 1/2	15
16. Original Red, Hallett's	60	61 1/2	60	62 1/2	60 1/2	64 1/2	61 1/2	61 1/2	55 1/2	60 1/2			60 1/2	16
17. White Chidlam	62 1/2	63 1/2	61 1/2	63 1/2	61 1/2	64 1/2	61 1/2	61 1/2	54 1/2	62 1/2			62 1/2	17
18. Red Rostock	60 1/2	62 1/2	60 1/2	62 1/2	60 1/2	65 1/2	62 1/2	62 1/2	54 1/2	62 1/2			62 1/2	18
19. Casey's White	60 1/2	61 1/2	60 1/2	62 1/2	60 1/2	63 1/2	61 1/2	61 1/2	54 1/2	60 1/2			60 1/2	19
20. Golden Rough-chaff (Red)	61 1/2	63 1/2	61 1/2	63 1/2	61 1/2	64 1/2	61 1/2	61 1/2	55 1/2	60 1/2			60 1/2	20
21. Bole's Prolife (Red)	61 1/2	63 1/2	61 1/2	63 1/2	61 1/2	64 1/2	61 1/2	61 1/2	54 1/2	61 1/2			61 1/2	21
22. Club Wheat (Red)	60 1/2	61 1/2	60 1/2	62 1/2	60 1/2	63 1/2	60 1/2	63 1/2	52 1/2	61 1/2			61 1/2	22
23. Main's Standing White .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	56 1/2	61 1/2			61 1/2	23
24. Main's Rough-chaff (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	53 1/2	61 1/2			61 1/2	24
25. Belgian (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	60 1/2			60 1/2	25
26. Webb's Challenge (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .			.. .. .	.. .. .
Means	60 1/2	62 1/2	59 1/2	61 1/2	60 1/2	63 1/2	60 1/2	62	53 1/2	.. .. .			61 1/2	Means.

(C) All the crops were more or less affected by wire-worm, large bare patches appearing on many plots; and much grain was immature and blighted.