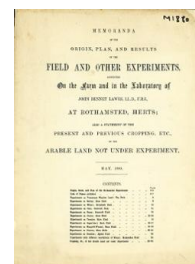


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Memoranda of the Field Experiments at Rothamsted: May 1880



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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.
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, Soda; after Hoos, carted off.	Long Hoos Field; 1½ cwt. Nitrate; after Mangolds (with Dung), carted off.	Upper Harpenden Field; 2 cwt. Nitrate; after Mangolds (with Dung), carted off.	Little Knot- Wood Field; 1½ 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; 1½ 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) .. .. .	.. .. .	.. .. .	40½	55½	40½	49½	48½	59	22½	48½			48½	1
2. Rivett's (Red) .. .. .	.. .. .	.. .. .	48½	67	48½	49½	49½	66½	16	49½			53½	2
3. Chubb Wheat (Red)	28½	40	35½	50½	38½	40½	41½	55½	20½	41½			41½	3
4. Red-chaff (White)	32½	57	35½	48½	34½	43½	40	..	24	..			41½	4
5. Browick (Red)	31½	40½	38½	51½	38½	39	40½	52½	22	..			42½	5
6. Red Wonder	31½	43½	37½	47½	38½	44½	39	52½	21½	..			53½	6
7. Burwell (Old Red Lammus)	29½	41½	35½	47½	31½	42½	40½	50½	25½	..			35½	7
8. Bristol Red	34½	44½	39½	47½	39	37½	40½	47½	20	..			41½	8
9. Red Nursery	30½	45½	34½	51½	34½	42½	42½	50½	25½	..			41½	9
10. Red Langham	31½	43½	37	46½	37	46½	37½	54	21½	..			44½	10
11. Woolly Ear (White) .. .. .	.. .. .	.. .. .	42	49	33½	44	42½	54	21	..			44½	11
12. Hardcastle (White)	39½	46½	44	48	38½	44½	42½	52½	21	..			46½	12
13. Golden Drop (Red), Hallett's	33½	49½	44½	51½	41	49½	43	46½	17½	..			40½	13
14. Victoria White, Hallett's	26½	35½	38	44½	33½	41½	42	43	14	..			37½	14
15. Hunter's White, Hallett's	30	38½	36½	45	36	43	40	42½	17	..			36½	15
16. Original Red, Hallett's	38½	46½	40	48	37	46	44	54	11	..			37	16
17. White Chidlam	37	42	37	42	32	37	37	49	11	..			37	17
18. Red Rostock	37	42	40	46	37	40	40	57	18	..			40	18
19. Casey's White	29½	38	38	45	39	45	43	46	15	..			40	19
20. Golden Rough-chaff (Red)	33	42	38	48	38	46	46	52	31	..			44	20
21. Bole's Prolife (Red)	33	42	45	48	43	41	44	52	31	..			44	21
22. Club Wheat (Red)	36	45	47	59	46	47	49	61	23	..			50	22
23. Main's Standing White .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	50	32	..			50	23
24. Main's Rough-chaff (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	50	24	..			50	24
25. Belgian (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	52	21	..			52	25
26. Webb's Challenge (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	51	21	..			52	25
Means	32½	42½	38½	50½	36½	42½	42½	51	21	..			42½	Means.

DRESSED CORN PER ACRE. Bushels.

WEIGHT PER BUSHEL. Lbs.

1. White-chaff (Red)	61	63	60½	60½	60½	60½	60½	60½	51½	61			61	1
2. Rivett's (Red)	58½	59	58½	58½	58½	58½	58½	58½	49	58½			58½	2
3. Chubb Wheat (Red)	60½	60½	60½	60½	60½	60½	60½	60½	53	60½			60½	3
4. Red-chaff (White)	60½	60½	60½	60½	60½	60½	60½	60½	..	60½			60½	4
5. Browick (Red)	60	60	60	60	60	60	60	60	52	60			60	5
6. Red Wonder	62	62	62	62	62	62	62	62	52	62			62	6
7. Burwell (Old Red Lammus)	61	61	61	61	61	61	61	61	55	61			61	7
8. Bristol Red	62	62	62	62	62	62	62	62	54	62			62	8
9. Red Nursery	60	60	60	60	60	60	60	60	57	60			60	9
10. Red Langham	61	61	61	61	61	61	61	61	54	61			61	10
11. Woolly Ear (White)	61	61	61	61	61	61	61	61	54	61			61	11
12. Hardcastle (White)	61	61	61	61	61	61	61	61	52	61			61	12
13. Golden Drop (Red), Hallett's	61	61	61	61	61	61	61	61	52	61			61	13
14. Victoria White, Hallett's	61	61	61	61	61	61	61	61	55	61			61	14
15. Hunter's White, Hallett's	60	60	60	60	60	60	60	60	55	60			60	15
16. Original Red, Hallett's	62	62	62	62	62	62	62	62	55	62			62	16
17. White Chidlam	60	60	60	60	60	60	60	60	54	60			60	17
18. Red Rostock	62	62	62	62	62	62	62	62	54	62			62	18
19. Casey's White	60	60	60	60	60	60	60	60	54	60			60	19
20. Golden Rough-chaff (Red)	61	61	61	61	61	61	61	61	55	61			61	20
21. Bole's Prolife (Red)	61	61	61	61	61	61	61	61	54	61			61	21
22. Club Wheat (Red)	60	60	60	60	60	60	60	60	52	60			60	22
23. Main's Standing White .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	56	.. .. .			61	23
24. Main's Rough-chaff (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	56	.. .. .			61	24
25. Belgian (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	53	.. .. .			61	25
26. Webb's Challenge (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	53	.. .. .			61	25
Means	60½	62½	59½	61½	60½	60½	60½	60½	53	60½			60½	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.