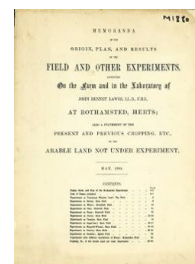


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Memoranda of the Field Experiments at Rothamsted: May 1880



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Experiments With Different Descriptions of Wheat: Harpenden Field

Rothamsted Research

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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 Hoops, 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	38½	48½	34½	43½	40	.. .. .	24	.. .. .			41½	4
5. Browick (Red)	35½	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)	31½	41½	35½	47½	31½	42½	40½	52½	30½	.. .. .			35½	7
8. Bristol Red	29½	44½	39½	47½	39	37½	40½	47½	25½	.. .. .			41½	8
9. Red Nursery	34½	45½	27½	41½	34½	42½	42½	50½	20	.. .. .			41½	9
10. Red Langham	30½	43½	34½	51½	36½	44½	42½	48½	21½	.. .. .			44½	10
11. Woolly Ear (White)	31½	42½	37	46½	37	44	42½	54	18	.. .. .			44½	11
12. Hardscastle (White) .. .. .	.. .. .	46½	42	49	33½	44	42½	52½	21	.. .. .			46½	12
13. Golden Drop (Red), Hallett's	39½	44½	44½	48½	38½	48½	49½	52½	15	.. .. .			46½	13
14. Victoria White, Hallett's	33½	45½	38½	51½	33½	41½	42½	43½	14½	.. .. .			40½	14
15. Hunter's White, Hallett's	26½	35½	35½	44½	26½	43½	40	42½	17½	.. .. .			37½	15
16. Original Red, Hallett's	30	38½	36½	45½	30	40½	44½	.. .. .	.. .. .	.. .. .			36½	16
17. White Chidlam	38½	.. .. .	.. .. .	42	37½	37½	37½	.. .. .	11½	.. .. .			37½	17
18. Red Rostock	37	.. .. .	.. .. .	46½	37½	40	43	57	18½	.. .. .			43½	18
19. Casey's White	29½	42½	46½	53½	39	45½	43	46½	15½	.. .. .			40½	19
20. Golden Rough-chaff (Red)	33	38½	38½	52½	38½	46½	46½	46½	14½	.. .. .			40½	20
21. Bole's Prolife (Red)	42½	45½	45½	48½	43½	41½	44½	52½	31	.. .. .			44	21
22. Club Wheat (Red)	36	45½	47½	59½	46½	47½	49½	61	23½	.. .. .			49½	22
23. Main's Standing White .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	50½	32½	.. .. .			50½	23
24. Main's Rough-chaff (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	50½	24	.. .. .			50½	24
25. Belgian (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	52½	21½	.. .. .			52½	25
26. Webb's Challenge (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .			.. .. .	.. .. .
Means	32½	42½	38½	50½	36½	42½	42½	51½	21½	.. .. .			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	59½	58½	60½	58½	59½	58½	58½	49	58½			58½	2
3. Chubb Wheat (Red)	60½	61½	60½	60½	60½	60½	60½	60½	53	60½			60½	3
4. Red-chaff (White)	61½	62½	60½	60½	60½	60½	60½	60½	.. .. .	.. .. .			61½	4
5. Browick (Red)	60	61	60	62½	60	63	61½	63	52½	61½			61	5
6. Red Wonder	59	60	60	62½	60	64	61½	64	55½	61½			61½	6
7. Burwell (Old Red Lammus)	62	63	61½	63	61½	62	61½	63	54½	61½			61½	7
8. Bristol Red	60½	61½	60½	62½	60½	62	61½	62	57½	61½			61½	8
9. Red Nursery	63	65	62	65	60½	66	62	63	54	63			63	9
10. Red Langham	63	61½	60½	63	60½	63	61½	63	54½	61½			61½	10
11. Woolly Ear (White)	61½	62½	61½	62½	61½	63	61½	61½	52½	61½			61½	11
12. Hardscastle (White)	61½	63	61½	63	61½	63	61½	63	52½	61½			61½	12
13. Golden Drop (Red), Hallett's	61	63	61½	63	61½	63	61½	63	52½	61½			61½	13
14. Victoria White, Hallett's	61	62½	61½	62½	61½	63	61½	61½	52½	61½			61½	14
15. Hunter's White, Hallett's	59½	61	60	62½	60	63	61½	60	55	60			60	15
16. Original Red, Hallett's	60	60	60	62½	60	64	61½	64	59½	61½			60	16
17. White Chidlam	62	63	61½	63	61½	62	61½	63	55	61½			61½	17
18. Red Rostock	60½	61½	60½	62½	60½	62	61½	62	54½	61½			61½	18
19. Casey's White	62	64	61½	64	61½	64	61½	64	54½	61½			62	19
20. Golden Rough-chaff (Red)	61½	63	61½	63	61½	63	61½	63	55	61½			61½	20
21. Bole's Prolife (Red)	61½	62½	61½	62½	61½	63	61½	61½	54½	61½			61½	21
22. Club Wheat (Red)	60	62	60	62½	60	63	61½	63	55½	61½			61½	22
23. Main's Standing White	60	61½	60	61½	60	63	61½	61½	56½	61½			61½	23
24. Main's Rough-chaff (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .			61½	24
25. Belgian (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .			61½	25
26. Webb's Challenge (White) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .			60½	26
Means	60½	62½	59½	61½	60½	63½	60½	62	53½	.. .. .			61½	Means.

(*) 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.