

Hoosfield Barley Cropping sequence 1968-1978, Series AA and C only

Barley grown as part of a three-course rotation was compared to continuous barley on Series AA and Series C from 1968-1978.

From 1979 onwards continuous barley was grown throughout the experiment.

This file shows the cropping sequence and N fertilizer applied before reversion to continuous spring barley.

Rotation shown in orange

B=Spring Barley; Be=Beans; P=Potatoes

Series AA (Silicate Test)

Plot number	Cropping sequence										
	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
1311	B	B	B	B	B	B	B	B	B	B	B
1312	B	B	B	B	B	B	B	B	B	B	B
1313	B	B	B	B	B	B	B	B	B	B	B
1314	B	B	B	B	B	B	B	B	B	B	B
1321	P	Be	B	P	Be	B	P	Be	B	P	Be
1322	P	Be	B	P	Be	B	P	Be	B	P	Be
1323	P	Be	B	P	Be	B	P	Be	B	P	Be
1324	P	Be	B	P	Be	B	P	Be	B	P	Be
1331	P	Be	B	P	Be	B	P	Be	B	P	Be
1332	P	Be	B	P	Be	B	P	Be	B	P	Be
1333	P	Be	B	P	Be	B	P	Be	B	P	Be
1334	P	Be	B	P	Be	B	P	Be	B	P	Be
1341	B	B	B	B	B	B	B	B	B	B	B
1342	B	B	B	B	B	B	B	B	B	B	B
1343	B	B	B	B	B	B	B	B	B	B	B
1344	B	B	B	B	B	B	B	B	B	B	B
2311	B	B	B	B	B	B	B	B	B	B	B
2312	B	B	B	B	B	B	B	B	B	B	B
2313	B	B	B	B	B	B	B	B	B	B	B
2314	B	B	B	B	B	B	B	B	B	B	B
2321	P	Be	B	P	Be	B	P	Be	B	P	Be
2322	P	Be	B	P	Be	B	P	Be	B	P	Be
2323	P	Be	B	P	Be	B	P	Be	B	P	Be
2324	P	Be	B	P	Be	B	P	Be	B	P	Be
2331	P	Be	B	P	Be	B	P	Be	B	P	Be
2332	P	Be	B	P	Be	B	P	Be	B	P	Be
2333	P	Be	B	P	Be	B	P	Be	B	P	Be
2334	P	Be	B	P	Be	B	P	Be	B	P	Be
2341	B	B	B	B	B	B	B	B	B	B	B
2342	B	B	B	B	B	B	B	B	B	B	B
2343	B	B	B	B	B	B	B	B	B	B	B
2344	B	B	B	B	B	B	B	B	B	B	B

Plot number	N applied kg/ha										
	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
1311	144	144	144	144	144	144	96	96	96	48	48
1312	48	48	48	48	48	48	0	0	0	144	144
1313	0	0	0	0	0	0	144	144	144	96	96
1314	96	96	96	96	96	96	48	48	48	0	0
1321	144	0	48	144	0	48	0	0	0	288	0
1322	144	0	144	144	0	144	192	0	96	96	0
1323	144	0	96	144	0	96	96	0	48	0	0
1324	144	0	0	144	0	0	288	0	144	192	0
1331	144	0	48	144	0	48	0	0	0	288	0
1332	144	0	96	144	0	96	96	0	48	0	0
1333	144	0	0	144	0	0	288	0	144	192	0
1334	144	0	144	144	0	144	192	0	96	96	0
1341	96	96	96	96	96	96	48	48	48	0	0
1342	48	48	48	48	48	48	0	0	0	144	144
1343	144	144	144	144	144	144	96	96	96	48	48
1344	0	0	0	0	0	0	144	144	144	96	96
2311	96	96	96	96	96	96	48	48	48	0	0
2312	48	48	48	48	48	48	0	0	0	144	144
2313	144	144	144	144	144	144	96	96	96	48	48
2314	0	0	0	0	0	0	144	144	144	96	96
2321	144	0	0	144	0	0	288	0	144	192	0
2322	144	0	48	144	0	48	0	0	0	288	0
2323	144	0	144	144	0	144	192	0	96	96	0
2324	144	0	96	144	0	96	96	0	48	0	0
2331	144	0	144	144	0	144	192	0	96	96	0
2332	144	0	0	144	0	0	288	0	144	192	0
2333	144	0	48	144	0	48	0	0	0	288	0
2334	144	0	96	144	0	96	96	0	48	0	0
2341	0	0	0	0	0	0	144	144	144	96	96
2342	48	48	48	48	48	48	0	0	0	144	144
2343	96	96	96	96	96	96	48	48	48	0	0
2344	144	144	144	144	144	144	96	96	96	48	48

Series AA (Silicate Test) (continued)

Plot number	Cropping sequence										
	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
3311	B	B	B	B	B	B	B	B	B	B	B
3312	B	B	B	B	B	B	B	B	B	B	B
3313	B	B	B	B	B	B	B	B	B	B	B
3314	B	B	B	B	B	B	B	B	B	B	B
3321	P	Be	B	P	Be	B	P	Be	B	P	Be
3322	P	Be	B	P	Be	B	P	Be	B	P	Be
3323	P	Be	B	P	Be	B	P	Be	B	P	Be
3324	P	Be	B	P	Be	B	P	Be	B	P	Be
3331	P	Be	B	P	Be	B	P	Be	B	P	Be
3332	P	Be	B	P	Be	B	P	Be	B	P	Be
3333	P	Be	B	P	Be	B	P	Be	B	P	Be
3334	P	Be	B	P	Be	B	P	Be	B	P	Be
3341	B	B	B	B	B	B	B	B	B	B	B
3342	B	B	B	B	B	B	B	B	B	B	B
3343	B	B	B	B	B	B	B	B	B	B	B
3344	B	B	B	B	B	B	B	B	B	B	B
4311	B	B	B	B	B	B	B	B	B	B	B
4312	B	B	B	B	B	B	B	B	B	B	B
4313	B	B	B	B	B	B	B	B	B	B	B
4314	B	B	B	B	B	B	B	B	B	B	B
4321	P	Be	B	P	Be	B	P	Be	B	P	Be
4322	P	Be	B	P	Be	B	P	Be	B	P	Be
4323	P	Be	B	P	Be	B	P	Be	B	P	Be
4324	P	Be	B	P	Be	B	P	Be	B	P	Be
4331	P	Be	B	P	Be	B	P	Be	B	P	Be
4332	P	Be	B	P	Be	B	P	Be	B	P	Be
4333	P	Be	B	P	Be	B	P	Be	B	P	Be
4334	P	Be	B	P	Be	B	P	Be	B	P	Be
4341	B	B	B	B	B	B	B	B	B	B	B
4342	B	B	B	B	B	B	B	B	B	B	B
4343	B	B	B	B	B	B	B	B	B	B	B
4344	B	B	B	B	B	B	B	B	B	B	B

Plot number	N applied kg/ha										
	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
3311	0	0	0	0	0	0	144	144	144	96	96
3312	48	48	48	48	48	48	0	0	0	144	144
3313	144	144	144	144	144	144	96	96	96	48	48
3314	96	96	96	96	96	96	48	48	48	0	0
3321	144	0	0	144	0	0	288	0	144	192	0
3322	144	0	144	144	0	144	192	0	96	96	0
3323	144	0	96	144	0	96	96	0	48	0	0
3324	144	0	48	144	0	48	0	0	0	288	0
3331	144	0	96	144	0	96	96	0	48	0	0
3332	144	0	0	144	0	0	288	0	144	192	0
3333	144	0	144	144	0	144	192	0	96	96	0
3334	144	0	48	144	0	48	0	0	0	288	0
3341	144	144	144	144	144	144	96	96	96	48	48
3342	0	0	0	0	0	0	144	144	144	96	96
3343	96	96	96	96	96	96	48	48	48	0	0
3344	48	48	48	48	48	48	0	0	0	144	144
4311	48	48	48	48	48	48	0	0	0	144	144
4312	144	144	144	144	144	144	96	96	96	48	48
4313	0	0	0	0	0	0	144	144	144	96	96
4314	96	96	96	96	96	96	48	48	48	0	0
4321	144	0	48	144	0	48	0	0	0	288	0
4322	144	0	96	144	0	96	96	0	48	0	0
4323	144	0	144	144	0	144	192	0	96	96	0
4324	144	0	0	144	0	0	288	0	144	192	0
4331	144	0	0	144	0	0	288	0	144	192	0
4332	144	0	48	144	0	48	0	0	0	288	0
4333	144	0	96	144	0	96	96	0	48	0	0
4334	144	0	144	144	0	144	192	0	96	96	0
4341	144	144	144	144	144	144	96	96	96	48	48
4342	48	48	48	48	48	48	0	0	0	144	144
4343	0	0	0	0	0	0	144	144	144	96	96
4344	96	96	96	96	96	96	48	48	48	0	0

© Rothamsted Research 2015

See HFplan1968-1978.pdf for experimental plan:

<http://www.era.rothamsted.ac.uk>

and follow link to Hoos Barley

Hoosfield Barley Cropping sequence 1968-1978, rotational sections only

Barley grown as part of a three-course rotation was compared to continuous barley on Series AA and Series C from 1968-1978.

From 1979 onwards continuous spring barley was grown throughout the experiment.

This file shows the cropping sequence and N fertilizer applied before reversion to continuous spring barley:

Rotation shown in orange

B=Spring Barley; Be=Beans; P=Potatoes

Series C (Phosphate test)

Plot number	Cropping sequence										
	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
1411	B	B	B	B	B	B	B	B	B	B	B
1412	B	B	B	B	B	B	B	B	B	B	B
1413	B	B	B	B	B	B	B	B	B	B	B
1414	B	B	B	B	B	B	B	B	B	B	B
1421	B	P	Be	B	P	Be	B	P	Be	B	P
1422	B	P	Be	B	P	Be	B	P	Be	B	P
1423	B	P	Be	B	P	Be	B	P	Be	B	P
1424	B	P	Be	B	P	Be	B	P	Be	B	P
1431	P	Be	B	P	Be	B	P	Be	B	P	Be
1432	P	Be	B	P	Be	B	P	Be	B	P	Be
1433	P	Be	B	P	Be	B	P	Be	B	P	Be
1434	P	Be	B	P	Be	B	P	Be	B	P	Be
1441	Be	B	P	Be	B	P	Be	B	P	Be	B
1442	Be	B	P	Be	B	P	Be	B	P	Be	B
1443	Be	B	P	Be	B	P	Be	B	P	Be	B
1444	Be	B	P	Be	B	P	Be	B	P	Be	B
2411	B	B	B	B	B	B	B	B	B	B	B
2412	B	B	B	B	B	B	B	B	B	B	B
2413	B	B	B	B	B	B	B	B	B	B	B
2414	B	B	B	B	B	B	B	B	B	B	B
2421	B	P	Be	B	P	Be	B	P	Be	B	P
2422	B	P	Be	B	P	Be	B	P	Be	B	P
2423	B	P	Be	B	P	Be	B	P	Be	B	P
2424	B	P	Be	B	P	Be	B	P	Be	B	P
2431	P	Be	B	P	Be	B	P	Be	B	P	Be
2432	P	Be	B	P	Be	B	P	Be	B	P	Be
2433	P	Be	B	P	Be	B	P	Be	B	P	Be
2434	P	Be	B	P	Be	B	P	Be	B	P	Be
2441	Be	B	P	Be	B	P	Be	B	P	Be	B
2442	Be	B	P	Be	B	P	Be	B	P	Be	B
2443	Be	B	P	Be	B	P	Be	B	P	Be	B
2444	Be	B	P	Be	B	P	Be	B	P	Be	B

Plot number	N applied kg/ha										
	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
1411	48	48	48	48	48	48	0	0	0	144	144
1412	0	0	0	0	0	0	144	144	144	96	96
1413	144	144	144	144	144	144	96	96	96	48	48
1414	96	96	96	96	96	96	48	48	48	0	0
1421	48	144	0	48	144	0	0	0	0	144	288
1422	96	144	0	96	144	0	48	48	0	0	0
1423	0	144	0	0	144	0	144	144	0	96	192
1424	144	144	0	144	144	0	96	96	0	48	96
1431	144	0	48	144	0	48	0	0	0	288	0
1432	144	0	0	144	0	0	288	0	144	192	0
1433	144	0	144	144	0	144	192	0	96	96	0
1434	144	0	96	144	0	96	96	0	48	0	0
1441	0	0	144	0	0	0	0	144	288	0	96
1442	0	96	144	0	96	192	0	48	96	0	0
1443	0	144	144	0	144	288	0	96	192	0	48
1444	0	48	144	0	48	96	0	0	0	0	144
2411	96	96	96	96	96	96	48	48	48	0	0
2412	0	0	0	0	0	0	144	144	144	96	96
2413	144	144	144	144	144	144	96	96	96	48	48
2414	48	48	48	48	48	48	0	0	0	144	144
2421	96	144	0	96	144	0	48	96	0	0	0
2422	0	144	0	0	144	0	144	288	0	96	192
2423	144	144	0	144	144	0	96	192	0	48	96
2424	48	144	0	48	144	0	0	0	0	144	288
2431	144	0	144	144	0	144	192	0	96	96	0
2432	144	0	0	144	0	0	288	0	144	192	0
2433	144	0	48	144	0	48	0	0	0	288	0
2434	144	0	96	144	0	96	96	0	48	0	0
2441	0	144	144	0	144	288	0	96	192	0	48
2442	0	48	144	0	48	96	0	0	0	0	144
2443	0	0	144	0	0	0	0	144	288	0	96
2444	0	96	144	0	96	192	0	48	96	0	0

Series C (Phosphate test) (continued)

Plot number	Cropping sequence										
	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
3411	B	B	B	B	B	B	B	B	B	B	B
3412	B	B	B	B	B	B	B	B	B	B	B
3413	B	B	B	B	B	B	B	B	B	B	B
3414	B	B	B	B	B	B	B	B	B	B	B
3421	B	P	Be	B	P	Be	B	P	Be	B	P
3422	B	P	Be	B	P	Be	B	P	Be	B	P
3423	B	P	Be	B	P	Be	B	P	Be	B	P
3424	B	P	Be	B	P	Be	B	P	Be	B	P
3431	P	Be	B	P	Be	B	P	Be	B	P	Be
3432	P	Be	B	P	Be	B	P	Be	B	P	Be
3433	P	Be	B	P	Be	B	P	Be	B	P	Be
3434	P	Be	B	P	Be	B	P	Be	B	P	Be
3441	Be	B	P	Be	B	P	Be	B	P	Be	B
3442	Be	B	P	Be	B	P	Be	B	P	Be	B
3443	Be	B	P	Be	B	P	Be	B	P	Be	B
3444	Be	B	P	Be	B	P	Be	B	P	Be	B
4411	B	B	B	B	B	B	B	B	B	B	B
4412	B	B	B	B	B	B	B	B	B	B	B
4413	B	B	B	B	B	B	B	B	B	B	B
4414	B	B	B	B	B	B	B	B	B	B	B
4421	B	P	Be	B	P	Be	B	P	Be	B	P
4422	B	P	Be	B	P	Be	B	P	Be	B	P
4423	B	P	Be	B	P	Be	B	P	Be	B	P
4424	B	P	Be	B	P	Be	B	P	Be	B	P
4431	P	Be	B	P	Be	B	P	Be	B	P	Be
4432	P	Be	B	P	Be	B	P	Be	B	P	Be
4433	P	Be	B	P	Be	B	P	Be	B	P	Be
4434	P	Be	B	P	Be	B	P	Be	B	P	Be
4441	Be	B	P	Be	B	P	Be	B	P	Be	B
4442	Be	B	P	Be	B	P	Be	B	P	Be	B
4443	Be	B	P	Be	B	P	Be	B	P	Be	B
4444	Be	B	P	Be	B	P	Be	B	P	Be	B

Plot number	N applied kg/ha										
	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
3411	48	48	48	48	48	48	0	0	0	144	144
3412	96	96	96	96	96	96	48	48	48	0	0
3413	144	144	144	144	144	144	96	96	96	48	48
3414	0	0	0	0	0	0	144	144	144	96	96
3421	96	144	0	96	144	0	48	96	0	0	0
3422	144	144	0	144	144	0	96	192	0	48	96
3423	48	144	0	48	144	0	0	0	0	144	288
3424	0	144	0	0	144	0	144	288	0	96	192
3431	144	0	48	144	0	48	0	0	0	96	0
3432	144	0	144	144	0	144	192	0	96	288	0
3433	144	0	0	144	0	0	288	0	144	96	0
3434	144	0	96	144	0	96	96	0	48	192	0
3441	0	0	144	0	0	0	0	144	288	0	96
3442	0	144	144	0	144	288	0	96	192	0	48
3443	0	96	144	0	96	192	0	48	96	0	0
3444	0	48	144	0	48	96	0	0	0	0	144
4411	0	0	0	0	0	0	144	144	144	96	96
4412	144	144	144	144	144	144	96	96	96	48	48
4413	48	48	48	48	48	48	0	0	0	144	144
4414	96	96	96	96	96	96	48	48	48	0	0
4421	0	144	0	0	144	0	144	288	0	96	192
4422	96	144	0	96	144	0	48	96	0	0	0
4423	144	144	0	144	144	0	96	192	0	48	96
4424	48	144	0	48	144	0	0	0	0	144	288
4431	144	0	48	144	0	48	0	0	0	288	0
4432	144	0	96	144	0	96	96	0	48	96	0
4433	144	0	0	144	0	0	288	0	144	192	0
4434	144	0	144	144	0	144	192	0	96	96	0
4441	0	48	144	0	48	96	0	0	0	0	144
4442	0	144	144	0	144	288	0	96	192	0	48
4443	0	96	144	0	96	192	0	48	96	0	0
4444	0	0	144	0	0	0	0	144	288	0	96

© Rothamsted Research 2015

See HFplan1968-1978.pdf for experimental plan:

<http://www.era.rothamsted.ac.uk>

and follow link to Hoos Barley