

2004

Farm and Weather Summary

David Haden
Iowa State University

Follow this and additional works at: http://lib.dr.iastate.edu/farms_reports



Part of the [Agricultural Science Commons](#), and the [Agriculture Commons](#)

Recommended Citation

Haden, David, "Farm and Weather Summary" (2004). *Iowa State Research Farm Progress Reports*. 1355.
http://lib.dr.iastate.edu/farms_reports/1355

This report is brought to you for free and open access by Iowa State University Digital Repository. It has been accepted for inclusion in Iowa State Research Farm Progress Reports by an authorized administrator of Iowa State University Digital Repository. For more information, please contact digirep@iastate.edu.

Farm and Weather Summary

Abstract

Includes:

Farm Comments

Crop Season Comments

Weather Comments

Disciplines

Agricultural Science | Agriculture

Farm and Weather Summary

David Haden, superintendent
Northwest Research Farms

Farm Comments

Field Days and Tours: There were 12 events held at the Northwest Farms, Sutherland and Doon. A total of 823 people attended the field days and tours.

New Projects: Long-term rotation study, Palle Pedersen; Eggshells for liming experiment, Paul Kassel; Poly-coated urea study, Randy Killorn; Soybean aphid management, Joel DeJong; Potassium rate study, Pedro Barbagelata.

Crop Season Comments

Sutherland. Corn planting began May 3 and was completed May 29. Harvest began October 16 and was completed October 27 with average yields of 154 bushels/acre.

Soybean planting started May 22 and was completed June 11. Harvest began September 25 and was completed October 14 with average yields of 37 bushels/acre.

Doon. Corn was planted May 16. Harvest began October 14 and was completed October 20 with average yields of 160 bushels/acre.

Soybean planting began May 27 and was completed May 28. Harvest began October 6 and was completed October 8 with average yields of 36 bushels/acre.

Weather Comments

Winter 2002-2003: Below average snowfall and above normal temperatures made this winter more mild than 2001-2002.

Spring 2003: We began with a full soil moisture profile. Fieldwork began March 28. Oats were planted April 2. Several small rains and below normal temperatures extended planting into June.

Summer 2003: Growing conditions were excellent with normal rainfall and below normal temperatures through July. From July 22 through September 9 rainfall totaled 0.52 in. However, temperatures remained below normal. Some producers sprayed for soybean aphids.

Fall 2003: Corn yields were better than expected. Harvest moistures were generally below 15%. The combination of dry weather and soybean aphids limited soybean yield.

Table 1. Northwest Research and Demonstration Farm, Sutherland, monthly rainfall and average temperatures for 2003.

Month	Rainfall (inches)		Temperature (°F)		Days 90 ⁰ or above
	2003	Deviation from normal	2003	Deviation from normal	
March	NA	NA	NA	NA	NA
April	1.78	-0.72	49.7	3.6	0
May	3.80	0.05	56.7	-2.4	0
June	8.12	3.67	66.8	-2.0	0
July	5.51	1.93	71.4	-1.7	2
August	0.44	-3.33	72.0	-0.1	6
September	2.24	-0.90	59.0	-2.1	0
October	<u>0.69</u>	<u>-1.39</u>	51.2	<u>2.4</u>	<u>0</u>
Totals	22.58	-0.69		-2.3	8

Table 2. Northwest Research and Demonstration Farm, Doon, monthly rainfall and average temperatures for 2003.

Month	Rainfall (inches)		Temperature (°F)		Days 90 ⁰ or above
	2003	Deviation from normal	2003	Deviation from normal at Rock Rapids	
March	NA	NA	NA	NA	NA
April	1.94	-0.50	46.7	-0.3	0
May	3.98	1.04	57.0	-2.4	0
June	3.07	-1.01	67.3	1.9	1
July	2.86	-0.45	73.0	-1.1	6
August	0.55	-3.24	73.4	2.0	10
September	5.30	2.32	57.6	-3.5	2
October	<u>0.65</u>	<u>-1.25</u>	43.1	<u>-0.7</u>	<u>0</u>
Totals	18.35	-3.09		-7.9	19