Box List: Arthur L. Hooker Papers, 1926-1991
Plant Pathology, UIUC
ID: 8/13/29

Arrangement:

Series 1: Personal Papers, 1946-1991
Series 2: Research-related Papers, 1926-1991

Complete Finding Aid:
https://archives.library.illinois.edu/archon/index.php?p=collections/controlcard&id=11564&
Box list created 2018-04-10

Repository:
University Archives
University of Illinois at Urbana-Champaign
http://archives.library.illinois.edu/

Series 1: Personal Papers, 1946-1991
This series contains Professor Hooker's CV, personal correspondence, course notes from his time at the
University of Wisconsin, awards, and photographs. This series also includes documents relating to Hooker's
military records. The series is organized alphabetically.

Box 1

1. American Association for the Advancement of Science fellow award, 1989
2. American Society of Agronomy Crops and Soils awards, 1973
3. Award banquet brochures and photograph, 1949-1971
4. Course notes and assignments, 1 of 2, 1948-1950
5. Course notes and assignments, 2 of 2, 1947-1948
7. Military service records, 1946
8. Paul A. Funk Recognition award, 1973
10. Photographs of Arthur Hooker, undated
11. Resumes, professional histories, and list of publications, 1987
12. Sigma Xi membership certificate, 1984

Series 2: Research-related Papers, 1926-1991
This series contains materials related to Arthur Hooker's research on plant pathology, corn breeding, and plant
genetics. It is arranged in two parts, each alphabetically therein. Part 1 (1926-1980) contains materials relating to
Hooker's research while at the Universities of Wisconsin and Illinois. Materials include correspondence, research
files, datebooks, field plot notebooks, conference papers, meeting notes, a newspaper clipping scrapbook, and
data from field work in South Africa and the former Republic of Yugoslavia. Part 1 also contains John R.
DeKalb-Pfizer Genetics, Hughes Hybrids Seed Company, and the Plant Molecular Biology Center at Northern
Illinois University after he left the University of Illinois in 1980. Included are correspondence, datebooks,
expense reports, research notes, and field plot notebooks. Of particular interest are several binders that contain
Professor Hooker's notes on breeding plans, field plot management, and seed production. Also included are
DeKalb-Pfizer Genetics' internal publications, reports, manuals, and guides, including seed testing and research
and development reports, as well as statistical printouts on inbred line evaluation and disease rating profiles.
Arthur L. Hooker Papers, 1926-1991
Plant Pathology, UIUC
ID: 8/13/29

Series 2: Research-related Papers, 1926-1991
Box 1

Part 1: University of Wisconsin and University of Illinois, 1926-1980

14. II_{2}H_{2} Corn, ca. 1977
17. Advanced Genetics, handbook compiled by A.L. Hooker, probably for teaching, 1 of 2, ca. 1953
18. Advanced Genetics, handbook compiled by A.L. Hooker, probably for teaching, 2 of 2, ca. 1953
19. Agriculture research, 1965-1976
23. Corn anthracnose, 1974
24. Corn anthracnose, 1980
25. Corn Breeders Meeting, 1 of 2, 1975
26. Corn Breeders Meeting, 2 of 2, 1975
27. Corn breeding, conference papers, ca. 1971-1972
29. Corn leaf diseases and resistance, research notes, data, and related correspondence, 1977-1979
30. Corn—bacterial research file, 1928-1980
31. Corn—general research file, 1926-1983
32. Corn—northern leaf blight research file, 1974
33. Corn—rusts research file, 1969
34. Dairy Science/Biology 316 lecture notes, 1973
35. Datebook and calendar, 1974-1979
39. Estimating disease losses based on the amount of healthy leaf tissue during the plant reproductive period, data, 1979
40. Expression of resistance in Corn to Helminthosporium maydis Race O Imported by the Monogenic Recessive in Gene rhm, ca. 1959-1969
41. Fertility plots, maps and analyses, 1968-1974
42. Genetics of Plant Pathogen Interactions, 406 lecture outlines, ca. 1979
43. Genetics Society of America, 1966-1971
45. Haploids in higher plants symposiums, 1974
46. Helminthosporium turcicum data, news bulletins, and correspondence, 1974-1979
47. Helminthosporium turcicum genetic studies in field, 1962-1968
48. Helminthosporium leaf report data, undated
Box List: Arthur L. Hooker Papers, 1926-1991
Plant Pathology, UIUC
ID: 8/13/29

Series 2: Research-related Papers, 1926-1991

Box 1

50. Hybrid designations, confidential, 1974
51. Illinois Breeders School, 1974

Box 2

1. Illinois Corn Breeders School booklet, 1974
2. Illinois Corn Breeders School booklet, 1975
3. Illinois nutrition seminar, 1974
4. Indeterminate gametophyte, 1969
5. Inheritance of Adult Plan Resistance to Common Corn Rust, correspondence and data, 1963
7. Iowa State, Experiment 500, ca. 1974
8. Leaf blight fertility data, 1976
10. Maize breeding for disease resistance, prepared at Maize Research Institute Beograd-Zemun, including field plot notebook, 1979
12. Maize disease handbook, undated
16. Notebook containing outlines for talks, research plans, and data, undated
17. Outline Grower Conference, photograph, 1976
19. PRF Ind., data, undated
20. Research and meeting notes, ca. 1958-1965
22. Research and meeting notes, 1968
23. Research and meeting notes, ca. 1970s
24. Research and meeting notes, ca. 1970s
25. Research and meeting notes, ca. 1970s-1980s
26. Research and meeting notes, ca. 1975
27. Sabbatical leave reports, 1978-1979

John R. Snyder

29. Dekalb expense reports, 1973-1983
30. Experiments: radioactive seed, $^{14}$CO$_2$ and fertility tests, 1973-1974
31. Lysine analysis, 2NOR, 1974
32. Lysine: correspondence from Wayne Fowler, 1969-1974
33. Lysine: data lab standards, 1974
34. Lysine: literature, 1966-1973
35. Lysine index: interim report, 1974
36. Nodal proliferation mutant, undated
37. Nursery, 1974
Box List: Arthur L. Hooker Papers, 1926-1991
       Plant Pathology, UIUC
ID: 8/13/29

Series 2: Research-related Papers, 1926-1991

Box 2
38. Nursery, maps and correspondence, 1974-1976
40. Program objectives, 1973-1974
41. Protein Plus laboratories, 1972-1974
42. South Africa, Department of Agricultural Technical Services notes and field plot notebook, 1977-1979
43. South Africa, embassy correspondence, 1976-1977

Box 3
1. South Africa maize seed research, seed lists, 1979
2. South Africa seminar data, 1979
3. Southern leaf blight, 1971
4. Stalk rot research, ca. 1960-1961
5. Summary of D.S. 74 Rust Solutions, data, 1976
6. Talks, reports, and drafts, 1 of 2, 1973-1974
7. Talks, reports, and drafts, 2 of 2, 1973-1976
8. Virus study field data, 1967
9. University of Illinois, College of Agriculture, includes photograph, 1974
10. University of Illinois termination letters, 1980

Part 2: DeKalb/Pfizer and Northern Illinois University, 1980-1991
13. Art's Inbred Development Program, 1989
14. Binder: 1—General research notes, ca. 1980s
15. Binder: 2—Breeding and seed production research, 2B 1-8, ca. 1980s
16. Binder: 3—Breeding and seed production corn, CB 1-9, ca. 1980s
17. Binder: 4—Breeding and seed production research, CB 4-8, ca. 1980s
18. Binder: 6—Physiology research notes, ca. 1980s
20. Binder: Breeding plans, ca. 1988
21. Binder: Breeding plans and seed production notes, ca. 1980s
23. Binder: Field plot notes, possibly Holden Seed or Hughes Hybrids, 1989-1990

Box 4
1. Binder: note code, notes, and to do, ca. 1980s
2. Breeding program, St. Louis and Hawaii, 1980-1981
3. B.P. 2, Field plot data and notes, ca. 1988
4. B.P. 3, Notes and calculations, 1984-1987
5. Conference schedules and booklets, 1979-1990
7. Corn seedling research, 1982-1986
8. Date books and planners, 1981-1985
9. Date books and planners, 1986-1990
10. DeKalb-Pfizer Genetics, FACT and R&D tests, 1983
Box List:  Arthur L. Hooker Papers, 1926-1991  
Plant Pathology, UIUC  
ID:  8/13/29  

Series 2: Research-related Papers, 1926-1991  
Box 4  
11. DeKalb-Pfizer Genetics, FACT and R&D test results, 1 of 2, 1983-1984  
12. DeKalb-Pfizer Genetics, FACT and R&D test results, 2 of 2, 1983-1984  
15. DeKalb-Pfizer Genetics, Head to group san comparisons, 1 of 2, 1983  
16. DeKalb-Pfizer Genetics, Head to group san comparisons, 2 of 2, 1983  
17. DeKalb-Pfizer Genetics, HEDMENU selection, 1985  
18. DeKalb-Pfizer Genetics, Plant Molecular Biology Program postdoctoral position progress report, 1985  
19. DeKalb-Pfizer Genetics, Rows and Summaries for Hawaii BPI, 1987  
20. DFS tests, 1988-1989  
21. Disease reactions and resistance evaluation, 1990  
22. Elite inbred section in Kihei, memo and plot planning data, 1982  
25. Garst Seed Company trial, 1983  
27. Germany, contracts, 1989  
29. H90 Nursery planning sheets, 1990  
31. Helminthosporium carbonum, 1991  

Box 5  
1. HM Tests, seed testing summary reports, 1988  
14. Hughes Hybrids, to farm, notes and data on corn breeding, 1991  
15. Hughes Hybrids, USDA grant proposal: Corn Plant Regeneration via Haploid Tissue Culture and Chromosome Doubling, 1987  
19. Inheritance of resistance to wheat streak mosaic virus in dent corn, undated  
20. Kihhi MCO and EFF, 1981  
22. Linkage map of maize (located in Box 7, Folder 1), 1980  
23. National Plant Genetic Research Board, 1982
Box List: Arthur L. Hooker Papers, 1926-1991
Plant Pathology, UIUC
ID: 8/13/29

Series 2: Research-related Papers, 1926-1991

Box 5

24. NCR-25 Technical Committee, corn and sorghum diseases, 1988
27. Northern Illinois University Plant Molecular Biology Center, 1988
28. Notes on plant pollination research, 1990
30. NUS Nursery field plot notebooks, 1 of 2, 1986-1988
31. NUS Nursery field plot notebooks, 2 of 2, 1989-1991
32. OBSN Field plot notebooks, 1990
33. Performance tests, 1990
34. Pfizer Genetics Conversion Nursery Program, No. 12-14-100-9977(34), Mechanism of Resistance, 1 of 3, 1980-1983

Box 6

1. Pfizer Genetics Conversion Nursery Program, No. 12-14-100-9977(34), Mechanism of Resistance, 2 of 3, 1980-1983
2. Pfizer Genetics Conversion Nursery Program, No. 12-14-100-9977(34), Mechanism of Resistance, 3 of 3, 1980-1983
3. Pfizer Genetics plant breeding and genetics testing development manual, ca. 1980s
5. Pfizer Genetics research binder, includes reports, manuals, and correspondence, 1 of 3, ca. 1980s
6. Pfizer Genetics research binder, includes reports, manuals, and correspondence, 2 of 3, ca. 1980s
7. Pfizer Genetics research binder, includes reports, manuals, and correspondence, 3 of 3, ca. 1980s
8. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, October 1982 (located in Box 7, Folder 2)
9. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, October 1982 (located in Box 7, Folder 3)
10. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, December 1982 (located in Box 7, Folder 4)
11. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, 1 of 2, March 1983 (located in Box 7, Folder 5)
12. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, 2 of 2, March 1983 (located in Box 7, Folder 6)
13. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics disease rating profile, RES 185, May 1983 (located in Box 7, Folder 7)
15. Research and Development Conference on Soybean Diseases and assorted notes, 1981
16. Research notes, correspondence, and data, ca. 1980s
18. Rochelle, HA 89-90, 1989-1990
20. Seed hybrid testing and development, miscellaneous notes and data, 1990-1991
22. Seed Nursery, Scalar, Screening, and Crossing Block, John H. Pfund, 2 of 3, 1983
24. Seed testing and summary report, 1989
Box List:  Arthur L. Hooker Papers, 1926-1991
Plant Pathology, UIUC
ID:  8/13/29

Series 2: Research-related Papers, 1926-1991
Box 6

25. Seed testing data and reports, 1989-1990
26. SI field plot notebook, 1987
27. To farm subject file, 1990-1991

This series contains articles authored and co-authored by Arthur L. Hooker. The series is arranged chronologically.


Box List: Arthur L. Hooker Papers, 1926-1991
Plant Pathology, UIUC
ID: 8/13/29

Box 6

- Hooker, A.L. 1969. Widely based resistance to rust in corn. pp. 28-34. In Disease Consequences of Intensive and Extensive Culture of Field Crops-. Iowa Agriculture and Home Economics Experiment Station Special Report 64. 56 pp. J. Artie Browning (ed.).

Box List:  Arthur L. Hooker Papers, 1926-1991  
Plant Pathology, UIUC  
ID:  8/13/29  

Box 6  


34. Publications, 1975-1974

34. Publications, 1975-1974 (cont.)


Box List: Arthur L. Hooker Papers, 1926-1991
Plant Pathology, UIUC
ID: 8/13/29

Box 6


36. Publications, undated

Box 7: Oversized materials, 1980-1983
1. Linkage map of maize, 1980
2. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, October 1982
3. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, October 1982
4. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, December 1982
5. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, 1 of 2, March 1983
6. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, 2 of 2, March 1983
7. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics disease rating profile, RES 185, May 1983

Processing Notes:
Secondary literature and duplicates were weeded. Publication citations were based on Arthur L. Hooker's 1987 CV. Added folder titles are indicated by [ ]. Processed by Olivia Hagedorn, under the supervision of Susanne Belovari, April 2018.