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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

THE NEW YORK BOTANICAL GARDEN
BRONX • NEW YORK 10458 212/933-9400

31 December 1971

Dr. David J. Rogers
Food Research Institute
Stanford University
Stanford, California
94305

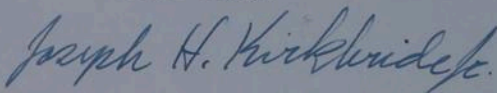
Dear Dr. Rogers:

I have just finished distributing the specimens of Manihot which you determined. I attempted to distribute them in as close accordance as was possible with your directions in your letter of 28 September 1971.

Enclosed is a list of the specimens and the herbaria to which they are being sent.

I hope that this adequate for your work.

Yours truly,



Joseph H. Kirkbride, Jr.

1971 distributions of the Irwin et al. collections of Manihot. Acronyms for the herbaria are taken from the Index Herbariorum of Lanjou and Stafleu. The collection numbers refer only to the collections of Irwin et al.

Manihot irwinii Rogers & Appan

12959 UB, NY, SP, F, US, GH, MO, G, W, B, IAN
11752 UB, NY, F, SP, RB, US, MO, GH, K, G
18526 UB, NY, F, SP, US, MO, GH, RB, COL, MICH 4
19359 UB, NY, F, SP, US, MO, W, S, MG, UC
7 4 1 6 9 3 10 5 2 8

Manihot violacea Pohl ssp. *recurvata* Rogers & Appan

14222 NY, UB, F, GH
15392 UB, NY, F, US, RB, MO
8563 UB, NY, F
8297 UB, NY, F
9167 UB, NY, F, SP, US, GH
9113 UB, NY, F, MO
10168 UB, NY, F, US, K, RB, MO, GH, SP, G, S, LE 5
11243 UB, NY, F, US, MO, GH, SP, W, IAN, LIL
8 6 1 9 5 2 7 10 3 4

Manihot anomala Pohl emend. Rogers & Appan ssp. *anomala*

11896 UB, NY, F, K, US, SP, MO, GH, RB, G, W
9 6 1 4 10 8 5 3 7 2 11

Manihot anomala Pohl emend. Rogers & Appan ssp. *pubescens* (Pohl) Rogers & Appan

19430 UB, NY, F, US, RB, MO, GH, SP, G, S, E
19200 UB, NY, F, US, MO, SP, W, LIL, MICH, UC 8
10344 UB, NY, F, RB, GH, SP, US, UC, G, S, POM
11862 UB, NY, F, US, RB, MO, GH, SP, K, LE,
11316 UB, NY, F, US, MO, SP, G, S, MICH
14004 UB, NY, F, US, RB, MO, GH, SP, W

Manihot attenuata Muell. Arg.

12654 UB, NY, F, SP, K
9421 UB, NY, F, US, MO, RB, G

Manihot caerulescens Pohl emend. Rogers & Appan ssp. *caerulescens* Rogers & Appan

14821 UB, NY, F, K, US, MO, RB, GH, SP, UC
116461 UB, NY, F
16210 UB, NY, F, SP
14450 UB, NY, F, US, RB, MO, GH, SP, S
14609 UB, NY, F, US, RB, MO, EX, SP, EX, W, S, MICH, UC, MC

Manihot cecropiaefolia Pohl

13019 ^{10 7 1 4 11 6 2 3 9 2 5} UB,NY,F,K,US,MO,RB,GH,SP,G,MICH
 7364 UB,NY
 10498 UB,NY,F,SP,S
 19083 UB,NY,F
 17841 UB,NY,F

Manihot divergens Pohl

13693 UB,NY,F,K,US,MO,GH,SP
 13694 UB,NY,F,RB,G,UC
 15565 UB,NY,F
 12443 UB,NY,F,US,SP,MICH
 10723 UB,NY,F
 10014 UB,NY,F,MO,SP,RB,S
 9502 UB,NY,F,US,MO,RB,~~GH~~,SP,W,~~MICH~~

Manihot esculenta Crantz

21119 UB,NY,K,F,US,GH,SP,G,UC,POM

Manihot falcata Rogers & Appan

10727 UB,US,F,S

Manihot fruticulosa (Pax) Rogers & Appan

10938 UB,NY,F
 11039a UB,NY
 10493 UB,NY,F,K,US
 10164 UB,NY,F,SP
 10013 UB,NY,F,MO,GH

Manihot gracilis Pohl emend. Rogers & Appan ssp. *gracilis*

8539 UB,NY,F,K,SP
 8304 UB,NY,F
 8208 UB,NY,F
 8074 UB,NY,F,MO,GH,RB
 9053 UB,NY,F,US,G,S
 11113 UB,NY,F,US,RB,MO,GH,SP,MICH,US
 7498 UB,NY
 8269 UB
 10769a UB
 8359 UB
 8671 UB
 10769 UB,NY
 10263 UB,NY

Manihot gracilis Pohl emend. Rogers & Appan ssp. *gracilis*
(continued)

10715 UB,NY,F,US,GH,SP,G,S,W,IAN
 10676 UB,NY,F,MO,S
 10557 UB,NY,F,SP,
 10301 UB,NY,F
 9704 UB,NY,F,US,RB,MO,GH,SP,G,UC
 15516 UB,NY,F,S,K,MICH
 9166 UB,NY,F,US,MO,GH,SP,UC,MICH,W,YEN,HB
 10593 UB,NY,F,US,RB,SP,MO,G,W

Manihot logepetiolata Pohl

13763 UB,NY
 13636 UB
 9783 UB,NY,F,K,US,MO,RB,GH,SP,G,W,S,UC,MICH,LIL
 12 8 1 4 14 7 9 3 11 2 10 13 6 5

Manihot mossamedensis Taubert

9 6 1 4 12 5 7 3 8 2
 14989 UB,NY,F,K,US,MO,RB,GH,SP,G
 15250 UB,NY,F
 11850 UB,NY,F,US,MO,RB,GH,SP,S,G

Manihot oligantha Pax et K. Hoffmann

9 5 1 10 4 6 3 8 7 2
 8 5 1 3 10 4 6 2 7 11 9
 13230 UB,NY,F,K,US,MO,RB,GH,SP,W,UC
 13230a UB,NY,F
 9906 UB,NY,F,K,US,RB,MO,GH,SP,X

Manihot paviaefolia Pohl

11707 UB,NY
 19304 UB,NY,F,K,US,GH,SP

Manihot peltata Pohl

10937 UB,NY,F,K,MO,RB,SP,US,GH,G
 9 6 1 4 5 7 8 10 3 2

Manihot pentaphylla Pohl emend. Rogers & Appan ssp. *pentaphylla*

8 5 1 3 4 6 9 2 7
 11887 UB,NY,F,K,MO,RB,US,GH,SP
 11742 UB,NY,F,US,SP
 11755 UB,NY,F,G 4 7 9 3 10 6 3
 19263 UB,NY,F,MO,SP,UC,MICH,W,S,IAN
 18765 UB,NY,F,US,GH,RB,G,B,COL
 8 6 3 9 5 7 4 1 2

Manihot pentaphylla Pohl ssp. *rigidula* (Muell. Arg.) Rogers & Appan

7006 UB, NY

7380 UB, NY, F, K, US, RB, GH, MO, SP

7090 UB 5 1 3 6 2 4 7 *There is pentaphylla ssp. tenuifolia*

11838 UB

Manihot pilosa Pohl

19774 UB, NY, F, K, US, RB, GH, SP, G, W

20822 UB, NY, F, US, SP, S, W, MICH, UC, IAN

20862 UB, NY, F, US, RB, GH, MO, SP, G, W

Manihot pruinosa

6788 UB, NY

Manihot reptans Pax

19236 UB, NY, K, F, US, RB, MO, GH, SP, G

18615 UB, NY, F, US, SP, S, W, MICH, UC, IAN, GH, MO, RB

10 6 1 12 9 8 13 4 11 3 2 5-7

Manihot sagittatopartita Pohl

9966 UB, NY, K, F, US, RB, MO, SP, G

Manihot salicifolia Pohl

6675 UB, NY, K, F

Manihot sparsifolia Pohl

18997 UB, NY

18926 UB, NY

19082 UB, NY, F

11757 UB, NY, F, K, US, RB, MO, GH, SP

8 5 1 3 9 6 4 2 7

Manihot stipularis Pax et K. Hoffmann

11046 NY, UB, F, K, MO, US, RB, GH, SP, G, MICH

10012 NY, UB, F, US

Manihot stricta Baillon

6761 UB

6774 UB, NY, F, K

Manihot tomentosa Pohl emend. Rogers & Appan ssp. *araliaefolia* (Pax) Rogers & Appan

15529 UB, NY, F

14195 UB, NY, F, K, US, RB, MO, GH, SP, G, W

9 6 1 4 10 7 5 3 8 2 11

Manihot tripartita (Sprengel) Muell. Arg. emend. Rogers & Appan
ssp. *tripartita*

11195 UB, NY, F, K, US, RB, MO, GH, SP, G
 10897 UB, NY, F, US, SP, S, W, MICH, UC, IAN
 18983 UB, NY
 18924 UB
 20422 UB, NY, F, SP
 21033 UB, NY, F, US, MO, GH, RB, SP, S, MICH
 10480 UB, NY, F, US, GH, SP, S, W, IAN, UC, MICH, MO, RB, LE, E
 10015 UB, NY, F
 18671 UB, NY, F, US, RB, MO, GH, SP, S, UC ✓
 18560 UB, NY, F, US, SP, S, W, MICH, IAN, MO
 19036 UB, NY, F, US, RB, MO, GH, SP, S

Manihot tripartita (Sprengel) Muell. Arg. ssp. *humilis* (Muell. Arg.)
Rogers & Appan

14698 UB
 6319 UB, NY, F, K, US, SP
 21651 UB, NY, F

Manihot triphylla Pohl

12052 UB, NY, F, K, US, SP, G, MICH
 7 5 1 3 2 6 2 4

Manihot violacea Pohl ssp. *violacea*

6778 UB, NY
 11051 UB, NY, F, K, SP
 7977 UB, NY, F, US

Manihot violacea Pohl ssp. *recurvata* Rogers & Appan

10092 UB
 5398 UB, NY