

IV. REPORT ON MAIZE COOPERATION

During 1974 the Maize Genetic Cooperation received 131 requests for maize genetic stocks. This is a 10 percent reduction in requests compared to 1973. There were 97 (47%) domestic and 34 (26%) foreign requests. Requests from geneticists were 47%, physiologists 24%, plant breeders 22% and educational 7% of the total number of requests received. A total of 1298 seed packets were sent to fill these requests.

Seed stocks of chromosome 2 and chromosome 7 were increased in 1974. Certain reciprocal translocation stocks were increased and testcrosses made to test for homozygosis. In addition, certain stocks were grown in observational nurseries to confirm pedigrees on mature plant traits, to test for homozygosity of reciprocal translocations increased in 1973 or to measure linkage of traits in certain cultures. In addition, backcross programs of incorporating the waxy reciprocal translocation series and plant color genes into two inbred lines were continued. A list of reciprocal translocation stocks available from the Co-op is published in the Co-op Newsletter report volume 43, 1969, or can be obtained upon request.

The following is a list of traits given permanent symbols by the Co-op or the person working with the particular trait.

<u>Temporary Symbol</u>	<u>Permanent Symbol</u>	<u>Chromosome</u>
codw	ct2	1
nec*-8147	nec2	1
v*-8983	v22	1
rp*-x	rp7	2
	w13-m	3
w*-7748	y10	3
pg*-m	pg14	3
v*-8914	v23	4
nec*-E409	nec3	5
l*-4120	l11	6
l*-4920	l12	6
w*-8657	w14	6
w*-8896	w15	6
gl*-g	gl18	8
nec*-6697	nec	8
v*-A552	v21	8
V*-m-1817	Vm	10

Requests for seed and correspondence relative to the stock program should be addressed to:

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Catalogue of Stocks

Chromosome 1

sr zb P-WW
sr P-WR
sr P-WR an gs bm2
sr P-WR an bm2
sr P-RR gs bm2
sr P-WR bm2
vp5
zb4 ms17 P-WW
zb4 ts2 P-WW br f bm2
zb4 ts2 P-WW bm2
zb4 P-WW
zb4 P-WW br
zb4 P-WW br f bm2
zb4 P-WW bm2
ts2 P-RR
ts2 P-WW br bm2
ts2 P-WW bm2
P-CR
P-RR
P-RW
P-CW
P-MO
P-VV
P-RR as br f an gs bm2
P-RR br f an gs bm2
P-RR an ad bm2
P-RR an gs bm2
P-RR ad bm2
P-WR an Kn bm2
P-WR an ad bm2
P-WR an bm2
P-WR ad bm2
P-WR br Vg
P-WR br f gs bm2
P-WW rs2
P-WW rs2 br f
P-WW as br f bm2
P-WW hm br f
P-WW br f ad bm2

Chromosome 1 (continued)

P-WW br f bm2
P-WW br f an gs bm2
as
as rs2
rd-Hy
br f
br f Kn
br f Kn Ts6
br f Kn bm2
br bm2
Vg
Vg an bm2
Vg br2 bm2
v22
bz2 m ; A A2 C Pr
bz2 M ; A A2 C R Pr
an bm2
an-bz2-6923 (apparent deficiency
including an and bz2)
br2
br2 bm2
tb-8963
Kn
Kn Ts6
1w
vp8
gs bm2
Ts6
bm2
id
nec2
ms9
ms12
ms14
mi
D8
TB-1a (1L.20)
TB-1b (1S.05)