

III. REPORT ON MAIZE COOPERATIVE

Seed requests to the Maize Cooperative in 1969 numbered 152. This is a reduction of 16 requests compared to 1968. A total of 95 requests (77 percent) were from 28 states in the United States and 36 (23 percent) requests were from 36 foreign countries. In addition, 62.5 percent of the requests were from Geneticists, 14.6 percent from Plant Breeders, 15.2 percent from physiologists, and 7.7 percent for educational purposes.

The following traits have been received from maize geneticists over the past several years and have been added to the collection:

<u>Gene Symbol</u>	<u>Trait</u>	<u>Chromosome Location</u>	<u>Stock Source</u>
o ₄	opaque-4	--	P. L. Crane
eg	expanded glume	5	C. R. Burnham
rgd	ragged	6	E. Dempsey
TB-6a	break 6S .5	6	E. Dempsey
TB-8a	break 8L .7	8	A. Ghidoni
wd	white deficiency	9	G. Kikudome
K ¹⁰ _{g₁} R ^R	abnormal 10	10	G. Kikudome
Wc	dominant white endosperm	9	E. H. Coe, Jr.
In ^D	dominant dilute aleurone	7	E. H. Coe, Jr.
ps	allele of vp ₇	5	E. H. Coe, Jr.
ar	argentina	9	E. H. Coe, Jr.
ub	unbranched tassel	--	M. G. Neuffer
Dt ₂	dotted-2	6	M. G. Neuffer
Dt ₃	dotted-3	7	M. G. Neuffer
lu ₁	lutescent	5	D. K. Shortess
pb ₁	allele y ₁	6	D. S. Robertson

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w^m	allele y_1	6	D. S. Robertson
pb_4	piebald	6	D. S. Robertson
o_5	opaque-5	7	D. S. Robertson
l_{4120}	luteus	6	D. S. Robertson
WF9 (T)	T cytoplasm	--	J. B. Beckett
N6 (S)	S cytoplasm	--	J. B. Beckett
rf_1rf_2	non restorers	--	J. B. Beckett
Rf_1rf_2	non restorers	--	J. B. Beckett
rf_1Rf_2	non restorers	--	J. B. Beckett
Rf_1Rf_2	restorers	--	J. B. Beckett
td	thick tassel dwarf	5	J. B. Beckett
yg_1	yellow green -1	5	J. B. Beckett
j_2	japonica-2	4	R. I. Brawn
Lc	red leaf color	10	J. Kermicle
E^j	japonica extender	10	J. Kermicle
ct	compact tassel	--	L. F. Bauman
Tp_2	teopod-2	10	J. R. Laughnan
A_1^b	A_1 allele with α & β	3	J. R. Laughnan
zn_2	zebra necrotic	--	J. Giesbrecht
te	terminal ear	3	C. O. Grogan
lo	lethal ovule	9	O. E. Nelson
Knobless Wilbur's Flint			W. C. Galinat