BY ____ NARA, DATE 7/10

THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN 48640

9 July 1968

SUBJECT: HERBICIDE M-3393

The enclosed data covers a herbicide developed along the lines of research work done at Ft. Detrick, Maryland, to produce a herbicide more effective than those now being used by the military in Vietnam and other areas.

The document contains technical data and economic evaluations so that the need for a large scale field trial for this product might be properly judged.

It would seem from the data presented on this product, M-3393, sometimes referred to as Super-Orange, that serious consideration should be given to a large scale test. This test would prove beyond a doubt, in substantiating the data, whether or not this product would provide an adequate substitute for existing herbicides or be a satisfactory alternate for those currently used.

Your study of the document is more than appreciated.

Yours truly,

A. P. Beutel, Vice President
and Director of Government Affairs

lsr

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BY [illegible] NARA, DATE 7/6/82

10103 25 DEC 1968 9 [illegible]

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DISPOSITION FORM

(AR 340-15)

Joe Cole

REFERENCE OR OFFICE SYMBOL	SUBJECT
MACJ3-09	Operational Evaluation of SUPER-ORANGE

TO Chief of Staff FROM ACofS, J3 DATE CMT 1

LTC Crowell/jcs/3933

1. (U) Purpose. To reply to DA message requesting an operational evaluation of SUPER-ORANGE.

2. (C) Discussion.

a. There are two defoliant herbicides currently in use in Vietnam, ORANGE and WHITE. ORANGE is an oil-based 50 - 50 mixture of 2,4-D and 2,4,5-T, which is faster acting than WHITE. WHITE is a water-based mixture of Picloram and 2,4-D and is longer lasting than ORANGE.

b. Dow Chemical Company has formulated an oil-based mixture of Picloram, 2,4-D and 2,4,5-T called SUPER-ORANGE which has combined the faster acting property of ORANGE with the longer lasting characteristic of WHITE plus being effective against a broader spectrum of plants then either ORANGE or WHITE.

c. DA, by message at TAB B, has suggested SUPER-ORANGE as a possible replacement for both ORANGE and WHITE and has requested MACV comments on a proposed operational evaluation of SUPER-ORANGE.

d. A comparison of SUPER-ORANGE with ORANGE as to characteristics, chemical composition, toxicity, and results of field tests in Texas, Puerto Rico, Malaysia and Hawaii is attached at TAB C.

e. An evaluation of the information at TAB C indicates that SUPER-ORANGE is a more effective defoliant than ORANGE and that sufficient data exists to accept it as a substitute for ORANGE without the time delay inherent in an operational evaluation. It is not an acceptable substitute for WHITE since the requirement still exists for a water-based herbicide with minimum vapor effect for precision applications.

f. The message at TAB A recommends to DA that SUPER-ORANGE be considered for procurement to replace ORANGE without a formal in-country operational evaluation and that the possibility of conversion of on-hand stocks of ORANGE to SUPER-ORANGE be investigated.

3. (U) Recommendation. That the message at TAB A be approved, signed and dispatched.

Msg released by CHIEF OF STAFF

at _____ hrs, on 25 DEC 1968

SJS Policy Branch

Action No 1145-68

John N McLaughlin for

ELIAS C. TOWNSEND
Major General, USA
Assistant Chief of Staff, J3

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COORDINATION:

MACSA concur Gillett 23-12-8 nonconcur _____

J4 concur [illegible] (3915) 24-12-8 nonconcur _____

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