



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

S.D. ↑
Beutel
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DO NOT USE THIS SPACE

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a. Super-ORANGE is merely ORANGE with an additive, Picloram, already proven effective in Vietnam through its use in WHITE. Super-ORANGE could hardly be less effective than ORANGE alone. Tests in other tropic areas bear this out.

b. Physical characteristics and personnel safety requirements for super-ORANGE do not appear to differ appreciably from ORANGE. The same handling equipment and procedures could be used with either agent.

c. Evaluation testing does not appear required for political reasons. No new chemical will be introduced as super-ORANGE merely adds one of the active agents of WHITE to ORANGE. Use of super-ORANGE could even have greater political acceptability in that only one type of herbicide would be in use for defoliation in Vietnam, i.e. a mixture of 2-4-D, 2-4-5-T, & Picloram in either water-based (WHITE) or oil-based (super-ORANGE) solution.

d. The only effect left to be determined is the increased duration of effect of super-ORANGE over ORANGE. Differential effects would not be apparent before a minimum of 18 to 24 months. Since the effectiveness of the new agent appears assured this delay before standardization does not appear warranted.

4. (U) Request you reconsider the requirement for further evaluation of super-ORANGE based on the above considerations. In the event super-ORANGE is determined an acceptable and

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