

ASSESSMENT OF THE PERSISTENCE OF VAPOUR EVOLVED FROM GD
AND GA CONTAMINATION ON PRAIRIE TERRAIN

AMENDMENT NO. 1

Amendments to Procedures in Field Experiment No. 579

Prepared by J. Monaghan, Task Leader

Four trials with GD and four with GA have been carried out under this experiment and during these trials a number of modifications to the procedures were made. One further trial with GD is to be carried out and for this the following modifications will apply:-

2. INTRODUCTION

An approximate density of contamination of 4 g/m² is required.

4. WEATHER

Wind Direction: Any but steady for 2 hours.

Wind Speed: 5 to 12 mi/hr at 2 m.

Ground Temp: Not greater than 80°F.

5. MATERIAL

The boom spray will be charged with 16 kg GD. Of this 5 to 6 kg is recoverable from the system after the emission.

6. SAMPLERS

Ground Contamination Samplers - 45.

9. GROUND CONTAMINATION SAMPLING ARRAY

Samplers will be set out in 9 downwind rows of five, spaced 5 m apart downwind and 10 m apart crosswind within the rectangle.

10. VAPOUR SAMPLING ARRAY

- (a) Vapour samples at 1 ft will also be taken at the mid-point and ends of the downwind side of the octagon and at two points 10 m outside the ends and in the same straight line.

11. PROCEDURE

Delete all reference to samplers on the octagon.

- (c) the downwind half of the area will be traversed first.

add (e) Monkeys may be exposed in pairs downwind of the contaminated areas as

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- 2 -

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12. VAPOUR SAMPLING SCHEDULE

Ground Temperature 68° to 80°F. (All Positions)

Z to Z + $\frac{1}{2}$ min, Z + $\frac{1}{2}$ to Z + 1 min, Z + 1 to Z + 2 min, Z + 2 to Z + 4 min,
Z + 4 to Z + 30 min.

Ground Temperature 50° to 68°F.

The above periods will be doubled to Z to Z + 1 min, etc.

15. ADMINISTRATION

Add Physiology Section Supply and handle monkeys.

Concur:- (R.C. Wyld)
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