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APPLICATION OF ABATE EMULSION CONCENTRATE

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Oil solution of Abate is recommended when treating large bodies of water having a depth of more than ten centimetres. In such circumstances an economy in the amount of larvicide is expected as the application is made on the basis of surface area to be treated rather than the volume of the water.

With regard to the application technique for emulsion concentrate, this latter may be diluted in water and applied with the compression sprayer equipped with the adjustable cone nozzle (Spraying Systems Co. 5500-X3 type). The output of this nozzle and its spray angle and maximum throw at three different nozzle positions are as follows, (at a tank pressure of 2.8 kg/m² (40 psi)).

Nozzle position	Capacity cc/minute	Spray angle	Approximate maximum throw
i) solid	720 (.19 GPM)	-	10 metres
ii) full	454 (.12 GPM)	33°	1 m. 65 cms.
iii) hollow	19 (.05 GPM)	72°	65 cms.

The application dosage may be 10 cc/m² and the actual Abate dosage 100g/ hectare. The dilution rate therefore will be 1g/1000 cc of water or 2g of Abate 500E per litre of water. 20g of Abate 500E should be added to each tankful of 10-litre or 16g to each tankful of 8-litre sprayer and applied at the rate of 10 cc/m². Some water should be first put in the sprayer, the Abate emulsion introduced, the sprayer then shaken and additional water added to the 10-litre mark. The sprayer then should be shaken again before application.

The application speed can be worked out in relation to the nozzle capacity. This latter, however, is different for each nozzle position and therefore three

different application speeds should be used for each nozzle position. For instance, when using the solid stream for treating distant water areas, one minute continued discharge should cover an area of about 72 m². For normal spraying full cone will be used which should cover 45 m²/minute. The hollow cone will produce an atomized cloud and should cover about 2 m²/minute. This latter can be used for treating small water containers or seepages, small shallow streams with stagnant pools on the sides, etc..

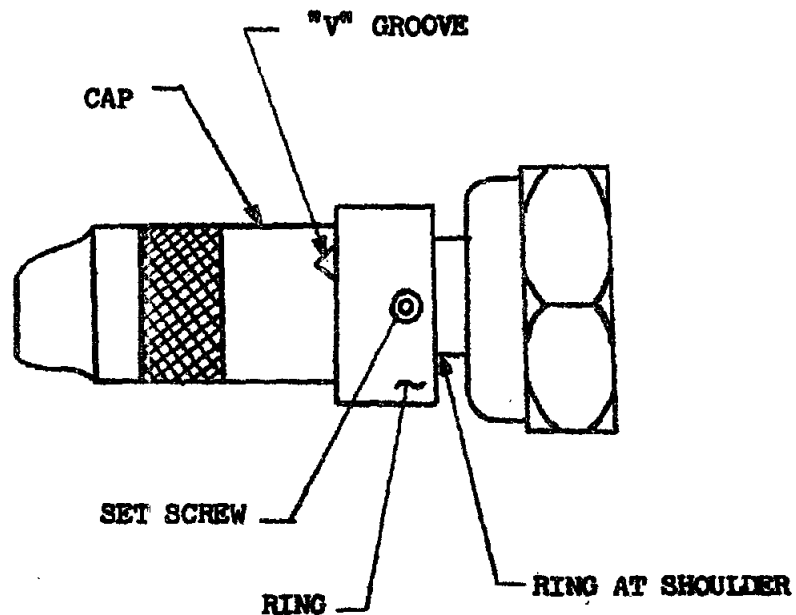
The above regimens can be used where water is up to about 10 cm deep. For deeper water the spraying speed should be reduced proportionally.

Attached is a diagram, and instructions for setting the adjustable cone jet.

For application of Abate 500E to smaller containers, use may be made of a pipette fitted with a rubber bulb. The pipettes can be calibrated to determine the number of drops in each cc of Abate 500E. The operator can then apply the appropriate number of drops in each water container to acquire the desired concentration. At 1 ppm dosage 2 cc of Abate concentrate should be applied to 1000 litres of water (1 m³). For more precise application, the concentrate may be diluted at 1 to 10 with water and to increase the application dosage proportionally.

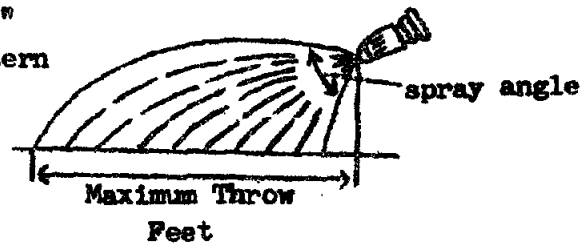
INSTRUCTIONS FOR SETTING ADJUSTABLE CONEJET

1. Loosen set screw until ring is free spinning.
2. Turn cap down the body to the full atomized position.
3. Ring should now be flush with the shoulder.
4. Rotate cap until a full-cone pattern is obtained.
5. Rotate ring until the spring snaps into one of the two "V" grooves in the cap and tighten the set screw.



			<u>Capacity</u>	<u>Spray Angle</u>	<u>Approximate Maximum Throw</u>
X 3	1)	Solid	.19 GPM	-	31°
	2)	Full	.12 GPM	33°	5°
	3)	Hollow	.05 GPM	72°	2°
X 8	1)	Solid	.47 GPM	-	38°
	2)	Full	.41 GPM	35°	9°
	3)	Hollow	.13 GPM	74°	3°

tip setting "A"
cone spray pattern



example of intermediate setting
between "A" and "B"



tip setting "B"
Solid Stream Spray
Pattern

