

METAM SODIUM (OR POTASSIUM) USE DATA

THE INFORMATION WILL BE USED TO REFINE AND REVISE EPA'S RISK ASSESSMENT

ARE YOU A GROWER? No ARE YOU A CUSTOM/COMMERCIAL APPLICATOR? Yes

Please fill out the following questionnaire as completely as possible for a **TYPICAL** season or application.

CROP potatoes APPLICATION METHOD chemigation IRRIGATION METHOD centerpivot
(Please use a separate sheet for each crop or application method)

For a typical application, how many people are involved in mixing, loading, and application? 3

Are mixing, loading, and application usually done by the same individual? no

What worker protection equipment is commonly used? Rubber boots and gloves, goggles, chemical resistant coveralls.

How many **days per year** are the individuals doing the mixing, loading, and application handling Metam? 25

How many **hours per day** are these individuals handling Metam? 24

Typical area (acres) treated per day40 Maximum acres treated per day52

Typical application rate (lbs. of Active Ingredient/acre)191.7Maximum application rate213

Method of soil surface sealing center pivot irrigation

For a typical field, what is the frequency of treatment? once every 5 years

For a typical application, how many hours or days are required for Metam treatment? 60

What is the typical date of treatment? (Late October, early June, etc) mid October

How many days are there between Metam application and soil tillage or planting? 120

At application, what is the typical soil temperature? 75 What is the typical air temperature? Day75 Night40

What are the primary pests you are controlling with Metam? Nematodes, weeds and soil diseases.

Other than Metam, what other pest management strategies do you use? Green manure crops such as mustard blends and sudan grass.

(PLEASE TURN TO OTHER SIDE)

Please give a detailed description of the Metam application scenarios that may take place on your operation or under your supervision. Include approximate dates and times, number of people involved, types of equipment used. Give a detailed representation of where the people involved are during the operation and for how long. Give this scenario on a representative time line. i.e. applicators arrive at 7:00 AM with two tractors six workers and an applicator supervisor; irrigation equipment on sight was _____; and continue until the application is completed.

Designated field is prepped for Metam application; soil moisture checked, field is deep ripped to eliminate compaction and increase water filtration, center pivot is measured and timed, water is caught to ensure adequate amount for application, irrigation pump and chemical backflow valves are inspected and repaired or replaced if necessary. Field is inspected for potential hazards to environment and people by application supervisor.

Metam is delivered to field storage tank, 2 persons typically involved. Process takes 1 hour. Equipment involved includes rubber boots and gloves, goggles, chemical resistant coveralls, dry disconnect fittings.

Field warning signs are posted by 1 person 1 hour prior to start of the application.

Application begins; injection pump is calibrated 2 people approximately 1/2 hour. Rubber gloves and boots. Goggles, chemical resistant coveralls.

Application duration is about 60 hours. Usually 3 persons including application supervisor monitor the application in 8 hour shifts. The application requires continuous supervision to monitor environmental conditions, potential hazards, breakdowns, injection rate, etc. On site personnel are licensed by state department of agriculture with fumigation endorsements. On site personnel are equipped with rubber gloves and boots, goggles, respirators, first aid kits, eye wash and shower station. Chemical resistant coveralls with hoods.

A sealing lap of water is applied upon completion of chemical injection. This usually takes about 18 hours. Field signs are removed from field 48 hours after completion and sealing lap.

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