

## AgESA GUIDANCE DOCUMENT

### Attachment 1

### RECOMMENDED LABORATORY ANALYSES BY TYPE OF FACILITY AND CLASS OF AGRICULTURAL CHEMICAL

An AgESA should be completed on all agricultural chemical-related properties before deciding if cleanup action is needed. Areas where agricultural chemicals were mixed, stored or otherwise handled are likely to be areas of recognized environmental conditions, and may warrant sampling. As part of the AgESA, an inventory of the pesticides and fertilizers that were handled, stored, or mixed on-site must be included to better evaluate what type of sample analysis is needed. The inventory results should be considered in addition to the recommended analysis listed below.

<u>TYPE OF FACILITY</u>	<u>TYPE OF ANALYSIS RECOMMENDED</u>
Ag Retailers & Applicators	MDA Lists 1 & 2, Fert
Greenhouses	MDA List 3, Fert, EPA Method 8081, Fung
Exterminators & Related	MDA List 3, EPA Method 8081, EPA Method 8141
Aerial Applicators	MDA Lists 1, 2, & 3, dinoseb, EPA Method 8141
Lawn Care Companies	MDA Lists 1 & 2, Fert, EPA Method 8141
Grain Elevators, Seed Storage	MDA List 1, mercury, carbon tetrachloride, Fung
Orchards, Truck Gardens	MDA List 1, EPA Method 8081, arsenic, lead, Fert
Golf Courses	MDA List 1, primary pesticides, heavy metals

**Key:**

MDA List 1	Neutral pesticides
MDA List 2	Acid pesticides
MDA List 3	Carbamate pesticides
Fert	Fertilizers; recommend analyses include nitrate nitrogen and total Kjeldahl nitrogen
EPA Method 8141	Organophosphate pesticides
EPA Method 8081	Chlorinated pesticides
Fung	Fungicides; few laboratories have a dedicated fungicide method to screen for fungicides, therefore the MDA recommends analyzing for the following fungicides and metals: benomyl, captan, chlorothalonil, metalaxyl, cadmium, copper, tin, zinc and manganese.

See MDA guidance document [GD26 Analytical Lists for Pesticide Incident Investigations](#) for analytical parameters for MDA Lists 1, 2, and 3.

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