

Bastiaan Weststeyn, PCA for M3, and was informed that site GYX was sprayed with 4 pesticides (Altacor eVo, Agri-Mek, Zeal MVP, and Vintre, and included Sugar Mover 3-0-0 and Brandt Organicx (no EPA#). The application was conducted by Orchard Valley Sprayers (VOS); shortly after Claudia reached out to Marc Souza from VOS.

M3 West

Permit ID #: 5003168

Site ID GYX

Location: Grayson- E/RIVER RD. 1/2 M N/GRAYSON RD

M	04S	07E	22
---	-----	-----	----

Main concern: this was likely a **spray mixture** of insecticides/miticides plus an adjuvant, so residents may experience irritation even if individual SDS sheets describe some products as “low acute toxicity.”

Product	What matters for nearby homes
Altacor eVo	Lower acute toxicity, but spray/dust can still irritate eyes, skin, nose, or throat. Toxic to aquatic life; drift/runoff is a concern.
Agri-Mek SC	Most concerning of the four. Contains abamectin. SDS notes possible CNS symptoms like dizziness, confusion, headache, nausea, plus eye and skin irritation.
Zeal MVP	Miticide with etoxazole. SDS/label materials emphasize aquatic toxicity; likely irritation concerns from spray exposure.
Vintre	Adjuvant/surfactant , not the pesticide itself. It is designed to improve spreading/penetration of sprays, and SDS warns to avoid breathing mist/vapors/spray; can cause skin and serious eye irritation.

For residents, I would tell people to document:

Symptoms: burning eyes, coughing, throat/nose irritation, headache, dizziness, nausea, skin redness/rash, breathing difficulty.

Here's a summary of the key health and safety information from the Safety Data Sheets (SDS) for the four products. Keep in mind that an SDS is written primarily for workers who mix, load, transport, or clean up pesticides—not necessarily for evaluating low-level drift exposures. For drift concerns around schools, the active ingredient toxicology and symptoms are often more informative than the OSHA hazard classification.

Product	Active Ingredient	Primary Human Health Concerns	Environmental Concerns
Altacor eVo	Chlorantraniliprole	Low acute toxicity; may cause mild eye or skin irritation; avoid inhalation of dust	Very toxic to aquatic life with long-lasting effects
Agri-Mek SC	Abamectin	More toxic than the others; harmful if inhaled or swallowed; nervous system effects possible with significant exposure	Extremely toxic to aquatic organisms and bees
Zeal MVP	Etoxazole	Moderate eye irritation; mild skin irritation; skin sensitizer; low acute toxicity	Toxic to aquatic organisms; toxic combustion products if burned
Vintre	Adjuvant/surfactant (not a pesticide)	Harmful if inhaled; causes skin and serious eye irritation	Harmful to aquatic life

1. Altacor eVo (chlorantraniliprole)

SDS says:

- Not classified as a hazardous chemical under OSHA.
- May cause minor eye or skin irritation.
- Dust should not be inhaled.
- First aid is generally washing exposed areas and moving to fresh air.
- Wear gloves, eye protection, and avoid breathing dust when mixing.
- **Very toxic to aquatic life with long-lasting effects.**

Acute symptoms after exposure may include:

- Eye irritation
- Mild skin irritation
- Coughing if dust is inhaled

Overall, this is considered one of the lower acute-toxicity insecticides.

2. Agri-Mek SC (abamectin)

This is the product of greatest concern from a human health standpoint.

SDS says:

- Harmful if inhaled.
- Harmful if swallowed.
- Can damage the nervous system after repeated exposure.
- Move exposed person to fresh air immediately.
- No specific antidote; treatment is supportive.
- Applicators need significant PPE.

Possible symptoms include:

- Dizziness
- Weakness
- Nausea
- Headache
- Tremors (with higher exposure)
- Eye irritation
- Skin irritation

Environmental hazards

- Extremely toxic to fish and aquatic organisms.
- Highly toxic to bees and beneficial insects.

This is the pesticide on your list I would pay the closest attention to if there were a drift incident near a school.

3. Zeal MVP (etoxazole)

SDS says:

- Moderate eye irritant.
- Mild skin irritant.
- May cause allergic skin reactions in some individuals.
- Low acute oral, dermal, and inhalation toxicity.
- Stable under normal use.

Possible symptoms include:

- Red eyes
- Burning eyes
- Mild skin redness

- Rash in sensitive individuals

Environmental hazards

- Toxic to aquatic organisms.
- Toxic gases may be released during fire.

Compared with Agri-Mek, Zeal MVP generally presents lower acute toxicity to people.

4. Vintre (spray adjuvant)

Vintre is **not a pesticide**. It is an adjuvant added to improve spreading and penetration of pesticides.

SDS says:

- Harmful if inhaled.
- Causes skin irritation.
- Causes serious eye irritation.
- Not considered carcinogenic.
- Not a skin sensitizer.
- Good ventilation is recommended during handling.

Possible symptoms

- Burning eyes
- Redness
- Skin irritation
- Respiratory irritation if mist is inhaled

Although it doesn't kill pests itself, adjuvants like Vintre can increase how effectively pesticides penetrate plant surfaces—and sometimes increase the potential for exposure if drift occurs.

If these four were applied together

This combination would include:

- **Altacor eVo** – insecticide
- **Agri-Mek** – insecticide/miticide
- **Zeal MVP** – miticide
- **Vintre** – adjuvant

For someone exposed to spray drift, the most likely acute symptoms would be:

- Eye irritation

- Nose and throat irritation
- Coughing
- Headache
- Nausea
- Skin irritation

The ingredient of greatest toxicological concern in the mixture is **abamectin (Agri-Mek)**, while **Vintre** may increase the spreading and penetration of the pesticides.