

# Chemical Factsheet

## 1-naphthaleneacetic acid (NAA)

### including its salts, ester and acetamide

#### General Information

- Product Names:
  - Alco Vitamin B-1 Hormone Concentrate** (AMVAC)
  - Black Leaf Vitamin B1 Solution** (Value Garden Supply)
  - Wood's Rooting Compound** (Earth Science Products)
  - K-L-N Rooting Concentrate** (Dyna-Gro)
  - Fruitone** (AMVAC)
  - Tre-Hold** (AMVAC)
  - DIP'N GROW** (DIP'N GROW, INC.)
  - Vita Grow Ready to Use Rooting Compound** (Marco Industries Inc.)
  - Pomaxa Plant Growth Regulator** (Valent Biosciences)
  - Root-Gel** (Dyna-Gro)
- Chemical Class: Naphthalene acetate; plant growth regulator
- Uses: Used to prevent preharvest drop of fruits, thin fruit trees (pome, citrus), control sprouting of citrus, and delay flower induction on various fruiting and nut plants including apples, pears, avocados, olives, mango. Also stimulates root growth and delay leaf drop on ornamentals.
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating:

#### Health and Environmental Effects

*See citations at end of document.*

- Cancer: Not documented
- Endocrine Disruption: Not documented
- Reproductive Effects: Not documented
- Neurotoxicity: Not documented
- Kidney/Liver Damage: Yes (1)
- Sensitizer/ Irritant: Yes (1, 2)
- Birth/Developmental: Not documented
- Detected in Groundwater: Not documented
- Potential Leacher: Not documented
- Toxic to Birds: Not documented
- Toxic to Fish/Aquatic Organisms: Not documented
- Toxic to Bees: Not documented

#### Additional Information

- Regulatory Status:
  - [EPA Regulatory Actions](#)

- Supporting information:
  - [PAN Pesticides Database](#): PAN (Pesticide Action Network)
  - [TOXNET Hazardous Substances Database](#)

## **Gateway Health and Environmental Effects Citations**

1. US EPA, Office of Prevention, Pesticides and Toxic Substances, Reregistration Eligibility Decisions (REDs), Interim REDS (iREDs) and RED Factsheets.  
<https://archive.epa.gov/pesticides/reregistration/web/html/status.html>.
2. National Library of Medicine. PubChem Hazardous Substances Database. [PubChem \(nih.gov\)](#)

Factsheet generated on June 3, 2026