

Reproductive Health Exposures for Women in Agriculture

Herbicides are used to kill undesirable plants or weeds.

Exposures: Mixing and applying herbicides and fungicides up to 2 years before attempting conception is associated with observed lower fertility. **Risk:** Could lower rates of fertility.



Needlestick Injuries are wounds caused by needles that accidentally puncture the skin. **Exposures:**

Livestock production hormones; Oxytocin & Prostaglandin **Risk:** May cause abortion during pregnancy in pregnant women.

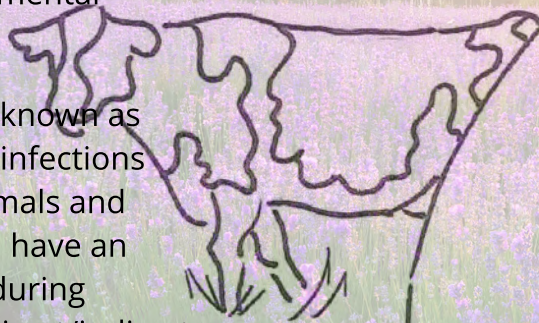


Carbon Monoxide is a colorless, odorless, tasteless gas produced by burning gasoline, wood, propane, charcoal or other fuel. **Exposures:** Livestock buildings and high pressure washers. **Risk:** High for women and elevated risk in unborn fetus including low birth weight, slowed mental development.



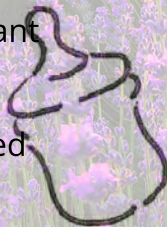
Zoonotic Diseases (also known as zoonoses) are caused by infections that spread between animals and people. Pregnant women have an altered immune system during pregnancy. **Exposures:** Direct/indirect contact, vector-borne, foodborne.

Risk: May cause abortion in pregnant women.



Nitrate Toxicity- Infants who are fed formula made with water high in nitrate concentrations (>10 mg/L) have the potential to be poisoned.

Risk: A congenital health disease known as Blue Baby Syndrome.

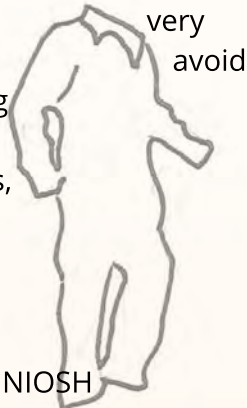


Personal Protective Equipment (PPE) Pesticides

Women who are pregnant or planning a pregnancy, especially those currently performing farm work, should be informed of the implications of exposure before, during and after pregnancy, and assisted in making decisions that are appropriate for their individual work and home situations.

Source: EPA - Recognition and Management of Pesticide Poisonings

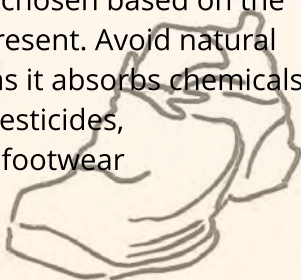
Coveralls over short-sleeved shirt and short pants including chemical-resistant gloves. Be cautious in warm conditions and the risk of overheating swelling and fluid retention in the hands, legs and feet.



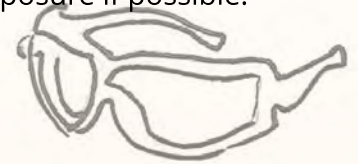
Use a properly fitting, NIOSH approved two strap respirator. Limit your time in exposures requiring respiratory protection.



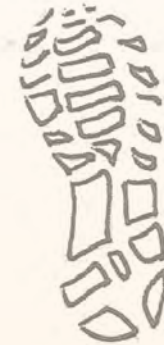
Footwear must be chosen based on the hazards that are present. Avoid natural leather footwear, as it absorbs chemicals. For working with pesticides, chemical-resistant footwear plus socks are recommended.



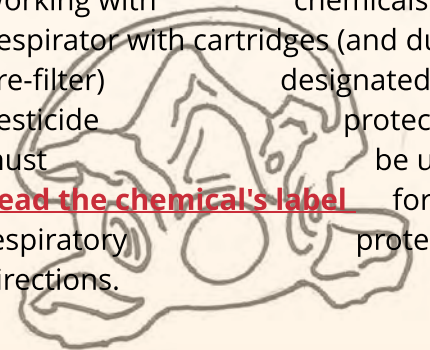
Protective eyewear intended to shield the eyes against liquid or chemical splash, irritating mists, vapors, and fumes. Use goggles with a good seal, avoid exposure if possible.



Footwear that will provide good grip and adequate protection against other hazards.



Working with chemicals: Respirator with cartridges (and dust pre-filter) designated for pesticide protection must be used. **Read the chemical's label** for respiratory protection directions.



For additional information and resources visit www.agrisafe.org/women

AgriSafe Webinar on Reproductive Health Risks



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