

Pesticide exposure

Mechanisms of action:

- Direct damage to the structure of cells
- Interference with biochemical processes necessary for normal cell function
- Biotransformation resulting in toxic metabolites

- Effect on fertility

- Spontaneous abortion
- Stillbirths
- Premature birth

- Low birth weight
- Developmental defects

- Disruption of hormonal function:

- Interference with hormone synthesis
- Interference with hormone release and storage
- Interference with hormone transport and clearance
- Interference with hormone receptor recognition and binding
- Interference with hormone postreceptor activation
- Interference with the thyroid function
- Interference with the central nervous system

- Effect on reproductive system:

- Changes in hormone levels
- Ovarian cycle irregularities
- Impaired fertility

- Spontaneous abortion?
- Premature birth?

- Developmental defects?