Five keys to growing safer fruits and vegetables

Promoting health by decreasing microbial contamination



- Wash and dry hands with a clean, dry towel after toileting, diapering a child and contact
- Change clothes and bathe regularly
- Cover cuts, lesions and wounds Use a toilet or latrine to urinate and defaecate

Why? Dangerous microorganisms are found in human and animal faecal waste, and infected wounds, and can be transferred to fruits and vegetables by hands, clothing and other surfaces. Good personal hygiene practices help prevent the transfer of dangerous microorganisms to fruits and vegetables and decrease the risk of foodborne diseases.

Protect fields from animal faecal contamination

- Keep animals from roaming in growing fields
- House livestock downhill from growing fields in
- Remove trash from in and around growing fields a fenced area

animal faeces can contaminate crops directly animal faeces can contaminate crops directly when animal defecate in fields - or indirectly with when rainwar dejecute in pleas or inurectly when rainwater becomes contaminated with dangerous microorganisms and runs downhill into the growing fields. Trash, food and water in and around around around fields. and around growing fields attract animals including wild birds.

Use treated faecal waste

- Use faecal waste (manure and human excreta) that
- Apply treated faecal waste to fields prior to planting is properly treated
- Maximize the time between the application of treated faecal waste and harvest

Properly treated faecal waste (manure and human excreta) is an effective (manure and numan excreta) is an effective and safe fertilizer. Dangerous microorganisms in human and animal faecal waste can survive for long period of time and contaminate fruits and vegetables. Faecal waste must be treated to kill the microorganisms.



- Identify all water sources relevant to your growing field Be aware of the risk of microbial contamination of water
- Protect water from faecal contamination
- Apply control measures when using water contaminated or of unknown quality

Why?

Water is needed for humans, animals and agriculture. The risk of microbial animals and agriculture. The risk of microbial water sources contamination of different water sources varies. Dangerous microorganisms in faecal varies. Dangerous microorganisms in faecal varies. Dangerous microorganisms in faecal varies. Dangerous water and then be waste can contaminate water and then be waste can contaminate water and tripiation. The properties of the properti regetables mas microorganisms



Keep harvest and storage equipment clean and dry

Wash harvest and storage equipment with clean

- Keep containers off the ground before, during and water and dry before use
- Remove visible dirt and debris from fruits and
- vegetables in the field Cool fruits and vegetables quickly
- Limit access of animals, children and other non-workers to the harvest and storage aeras

become contaminated with dangerous micro-become contaminated with dangerous micro-organisms during harvest by contact with contaminated hands, soil, harvest equipment and storage facilities. Wet or damp surfaces promote the growth of dangerous microor-

