Commodities found to be infested by khapra beetle, *Trogoderma granarium* or shown in laboratory studies to be suitable, marginal or unsuitable for their development.

I. Infestation Record and Suitability Food Available

1. **Food marginal or unsuitable**
   - alfalfa seed (lucerne)
   - lentil
   - milk, dried, Lindgren 1955, 1959
   - noodle
   - oat
   - soybean
   - tapioca

2. **Food suitable one study but not another**
   - flax seed
   - lima bean
   - maize
   - rye

3. **Food suitable**
   - almond meat
   - barley
   - barley, rolled
   - buckwheat, ground
   - chickpea (Bengal gram, garbanzo)
   - cowpea
   - gram
   - maize meal
   - malt
   - millet, pearl (Pennisetum glaucum), French-Venette05
   - mung bean
   - peanut cake
   - peanut (groundnut)
   - pigeonpea (dahl)
   - rice
   - sesame seed (til seed)
   - soybean meal
   - walnut
   - wheat flour
   - wheat

II. Only Infestation Record or Suitability of Food for Development (dev) Available

- alfalfa hay
- almond meat (dev)
animal feed
bari (sundried pulse cake)
barley
barley, ground (dev)
barley, rolled
bean
bean, broad (*Vicia faba*), French-Venette05
beans, lima (*Phaseolus lunatus*), French-Venette05
beet seed
buckwheat (*Fagopyrum esculentum*), French-Venette05
buckwheat, ground (dev)
canary grass seed
carpet
cashew
celery seed
cereal (cereal products)
chili pepper
cocoa bean
cocoa
coconut oilcake (dev)
copra
coriander seed
cotton seed
cottonseed cake (dev)
cottonseed meal
cucumber seed
cumin seed
dog food, ground (dev)
dried fruit
eggplant seed
fennel seed
ferrel seed
fishmeal, Lindgren 1955
ginger
gourd seed
grain, cereal
grain product
grain straw
grain
gram, black (dev)
gum dammar
kola nut (dev)
lettuce
maize cake (dev, fec)
maize, damaged (dev)
maize, ground (dev, fec)
maize, shelled (dev, fec)
medicine, hibiscus flower
medicine, senna
millet, sorghum, broomcorn (*Panicum miliaceum*)
myrabolan
nut
nut meal
nut meat, Lindgren 1955
nutmeg (mace)
oatmeal (dev)
oatmeal, instant (dev)
oilcake
oilseed residue
oilseed
pablum (dev)
paddy
palm kernel oilcake
pasta
pea
peanut meal
peanut oilcake
peanut, shelled
pecan meat (dev)
pepper, chilli
pistachio nut
plantago seed
poppy head
poppy seed
potato flour
pulse
pumpkin seed
rice meal
rice, basmati (*Oryza sativa*), French-Venette05
rice, brown damaged (dev)
rice, brown (dev)
rice, ground (dev)
rice, white cracked (dev)
round gourd seed
sago flour
sago seed
senna
sheanut
sisal
sorghum (rolled)
squash seed
Sudan grass seed
sugar beet pulp
sunflower cake (dev)
Swiss chard seed
tomato seed
tumeric
vetch seed
watermelon seed, Strong58, 59
wheat bran
wheat germ (dev)
wheat semolina (dev)
wheat, damaged (dev)
Wheat, durum (*Triticum durum*), French-Venette05
wheat, ground (dev)
Wheat, triticale (*Triticosecale rimpau, Triticum aestivum, Secale cereale*), French-Venette05
wheatfeed (dev)

### III. Food marginal or unsuitable for development

apricot, dried
barley cereal
beef blood
bean, damaged
chocolate chip, Lindgren 1959
chocolate powder, Lindgren 1959
coconut meal
coffee bean
cork
cottonseed, fuzzy
cracker
dates ground, Lindgren 1959
dates whole, Lindgren 1959
egg noodle
fig dried, Lindgren 1959
flax seed, ground
gelatin
grass seed
halvah
herb
hyacinth bean
linseed cake
maize, cereal
mushroom, dried
nutmeg, Lindgren 1959
oatmeal, precooked
palm cake
paper
peaches, dried, Lindgren 1959
peaches ground dried, Lindgren 1959
peas cracked
plum, dried
prunes dried, Lindgren 1959
prunes ground dried, Lindgren 1959
raisins ground, Lindgren 1959
raisins whole, Lindgren 1959
rice flake
rice, polished
rice, white instant
spaghetti
sugar brown, Lindgren 1959
sugar white, Lindgren 1959
tapioca, Lindgren 1959
tucum cake

References for most of the sources of information can be found in Chapter 4. Commodity Suitability (p. 221-265) and Chapter 5. Infestation Records (p. 267-532) of Atlas of Stored Product Insects and Mites and other sources are the following references:


