Diseases and Disorders

Alphitobius diaperinus



Egg

First Instar



Larva



Pupa



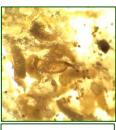
Beetle



Unknown Disorders

Incomplete transformation

Natural enemies



Yellow/Brown unhatched eggs Cause unknown



Airbubbels in intestine Probably caused by dehydration



Swollen, black **Eusophagus** Larvae recovered Cause unknown



Hollow pupae Probably eaten by other larvae/beetles



Bad developed elytra Cause unknown



Unhatched larva inside eggshell Cause unknown



Shrinken hatcheling Cause unknown



Incomplete exuviation Cause unknown



Incomplete pupal formation Cause unknown



Incomplete eclosion from pupa into adult Cause unknown



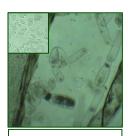
Eggmites (Acarophenax mahunkai) developing in mother mite from Alphitobius egg Effect is not known



Mill moth (Ephestia kuehniella and Plodia interpunctella) Pest in feed



Broad-horned flour beetle (Gnatocerus cornutus) 4-6 mm pest in feed



Gregarina parasite in larval intestine metamorphosis Cause unknown



Black larder beetle (Dermestes haemorrhoidalis) 6-9 mm Probably feeding on alphitobius

