



S 1 d e 1 1	 Morbidity/ Mortality Mobidity variable Varies with conditions Near 100% of newborns in favorable environment Mortality varies with treatment If treated rarely leads to death Untreated almost always results in death 	Morbidity varies between regions, but can near 100% in favorable environments. In some areas the navel of almost every newborn animal can be infested. Mortality is dependent on number of egg depositions and the treatment of such infestations. If only one egg deposition occurs, or if the infection is rapidly treated, mortality is usually very low. However, if wounds are left untreated and multiple fly oviposits occur, affected animals often die within 7- 10 days as a result of secondary infection or toxicity.
0		
5		
1		
1 d		
u e	Transmission	
C		
1		
2		
	Food Sectory Food Sectory Food Sectory Food Sectory	
S		Transmission occurs when a female fly deposits eggs in a superficial wound.
1	Animal Transmission	One female can lay up to 400 eggs at a time. After hatching, the larvae burrow
i	• Female fly deposits eggs into wound	into the flesh. The larvae feed on living tissue (they do not feed on dead tissue)
d	Larvae feed on living tissue	emerge and are ready to mate within 3-5 days beginning the cycle again
e	are common	Infected wounds attract other female flies and multiple infestations often occur.
	Non-contagious Importation of infected animals	It is not contagious between animals. Flies are transmitted to nonendemic
1		countries often through importation of infected animals.
3		
	Liona 20ta University - 2004	
S	Human Transmission	Humans are infected in the manner as animals. Any superficial wound is
1		long distances when screwworm adults are carried in transport vehicles.
1 d	 Infected in same manner as animals Can transmit adult screwworms to 	
u e	nonendemic areas	
C		
1		
4		
	Center for Food Security and Public Health Ional State Ultranity - 2004	
S		
1		
i		
d	Animals and	
e	Screwworm Mylasis	
1		
5	Control Security	
	Das Sort Desanty*	



Any wound can become infested by screwworms. Larvae emerge from eggs within 8-12 hours and begin feeding. The initial infection is difficult to observe, as there is little movement of the larvae. As the larvae feed, the wound enlarges and becomes deeper. There may be hundreds of larvae within the wound. Within 3 days the larvae are usually visibly embedded in the wound and a bloody discharge develops. There is often a distinct, foul odor associated with the wound. Occasionally the wound may not be obvious, but there will be a small opening in the skin with pockets of larvae beneath. The affected animal usually exhibits signs of depression, goes off feed, and separates itself from the herd. Animals often rub against trees, lick the wounds, and stand in water in an attempt to relieve the discomfort. The image depicts and infested calf navel. The navel of a newborn animal is a common site of screwworm infestation. Photo of screwworm myiasis in a calf navel from the USAHA FAD Gray Book.









