Insecta

## Yellowjacket

Class	Order	Family	Species		
Insecta	Hymeoptera	Vespidae	Vespula pennsylvanica	rescuebugblog.typepad.com	
Range		Repro	Special Adaptations		
North America, Eurasia Asia	a, Growth: Egg:	complete metamorphosis (egg-larva-pupa-adult) the queen lays one egg in each cell of the nest which takes about 12 days to hatch stay within the cell for about 12 days and are fed by the workers or the queen (when the colony is first started) enclosed in a cell by a cap, 13-32 days all females, can lay eggs but they will hatch into males only. When a new colony is started only workers are produced for the first 10-12 weeks. towards the end of the summer, drones (males) and			
Habitat	Larva:			d by the gathering wood	
Northern temperate zones and tropical Asia	Pupa: Workers:			o males A thin papery rs are substance is produced and	
Niche	Reproductives:	queens are produc	ed	cells in which	
They frequent build large paper nests in tree Some related species als nest in the ground		in colder areas like one season. The re- end of the summer drones die but the and in spring time new nests or use o the workers in the	d at the Workers will The continue to add e winter on to the nest uild throughout the sens and season.		
Diet Nature: larva - are fed insects which are chewed into a pulp by the	ed	again. In other par colonies at any poi time of year.	ts of the world it is possible to nt in development regardless	o find <b>Sting</b> : the	
workers. adults - nectar, insects		Physical Ch	aracteristics	stinger. It has a	
Captivity: dead insects, honey water	Mouthparts: Antennae: Legs:	biting and suckir 1 pair 3 pair, yellow	g	gland which produces venom that can be	
Ecological Impact	Wings:		er by hooks, forewings ar indwings	stinger. The	
Though this particular species is introduced and can be aggressive and bothersome to humans	Larva: Females:	yellow and black conical abdomen, legless, white grul	, 10-15mm in length	workers use it to aggressively defend their hive. rkers	
during the late summer and fall, they feed on		0 10	. ,.	Sources	
insects and so help to control population leve of some insects.	There are three that an individ	Social Organization There are three main castes: workers, drones and queens. The sex that an individual becomes is determined by whether or not the			
There are over 16,300 species of Hymenopter in North America. Mos play extremely benefici roles in nature.	a fertilized eggs t a queen or a w	egg is fertilized. Unfertilized eggs become males (drones) while fertilized eggs become females. Whether or not a female becomes a queen or a worker depends on the amount of nutrition it receives during the larval stage.			

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