PEST & NATURAL ENEMY SCOUTING FORM FOR HIGH TUNNEL CROPS

DATE:_____   TUNNEL: _____   CROP STAGE: _____   SCOUT:_____
(i.e., early vegetative, vegetative, flowering, early fruting, mature fruiting)

Divide the plant (sample unit) into 3 levels or areas (lower, middle, high vs. outer, middle, and center). In each area, randomly select 3 leaves to visually inspect and record the overall number.

ROW/BED	CROP & VARIETY	PLANT #	# PESTS				# NATURAL ENEMIES										DISEASE SYMPTOMS	OTHER	DAMAGE RATING*	COMMENTS
			APH	THR	WF	SM	PARA WASP AD	APH MUMMY	PARA WF	PRED FLY	PRED FLY MAG	PRED BEETLE AD	PRED BEETLE LAR	PRED BUG AD	PRED BUG NYM	PRED MITE				
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TOTAL #																				
AVERAGE # **																				
% PLANTS INFESTED***																				

KEY

* Plant Damage Rating: (1) no damage; (2) light damage (slight deformation and stunting on 2-4 leaves); (3) moderate damage (slight deformation and stunting on all leaves); (4) heavy damage (significant deformation on 2-4 leaves); (5) Severe damage (significant deformation on all leaves, crop of reduced value); (6) Extreme damage (crop unsalable)

** AVERAGE = (Total number recorded / Total number of plants inspected)

*** % PLANTS INFESTED = (Total number infested plants / Total number of plants inspected) x 100

APH (Aphid) **- THR** (Thrips) - **WF** (Whitefly) - **SM** (Spider Mite) - **PARA WASP AD** (Aphid Parasitic Wasp Adult) - **APH MUMMY** (Aphid Mummy)

PRED BEETLE (Predatory Beetle) - **PRED BUG** (Predatory Bug) - **PARA WF** (Parasitized WF Nymph) - **PRED FLY** (Predatory Aphid Midge Adult or Syrphid Adult)

PRED FLY MAG (Predatory Fly Maggot) - **PRED BEETLE AD** (Predatory Beetle Adult) - **PRED BEETLE LAR** (Predatory Beetle Larvae)

PRED BUG AD (Predatory Bug Adult) - **PRED BUG NYM** (Predatory Bug Nymph) - **PRED MITE** (Predatory Mite)

High Tunnel Production ToolKit