

Japanese Beetle Program Update Eastern Region



2007 Japanese Beetle
Program Review

Wilmington, Ohio
December 5 – 6, 2007

Japanese Beetle Policy

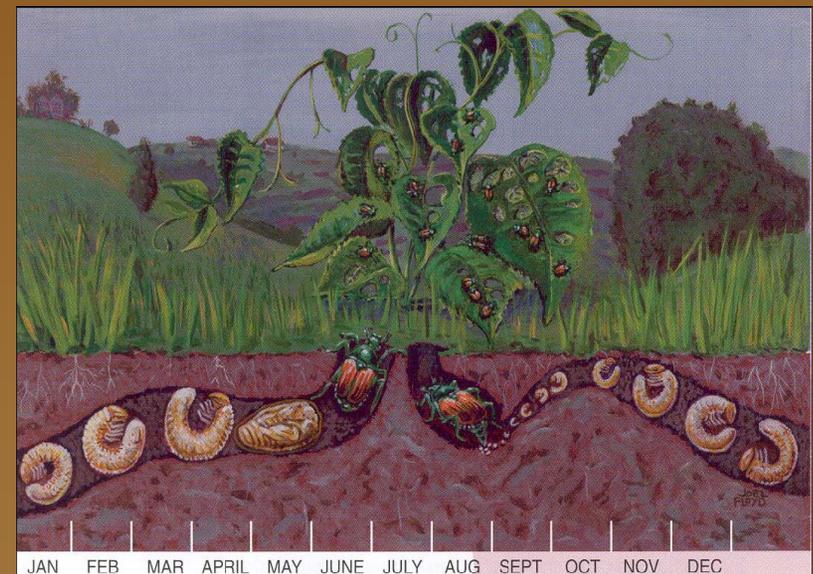
- The Primary objective of APHIS PPQ is to protect the agriculture of the Western United States by preventing the artificial spread of the Japanese Beetle from the Eastern United States

Japanese Beetle Quarantine

- 7CFR 301.48
- **Reduce** the risk of artificial spread of JB
- Eastern Region Regulated States: AL, CT, DE, GA, IL, IN, KY, ME, MD, MA, MI, MN, NH, NJ, NY, NC, OH, PA, RI, SC, TN, VT, VA, WV, WI
- Protected Western States: AZ, CA, CO, ID, MT, NV, OR, UT, WA

Eastern Region Japanese Beetle Emergence

- Eastern North Carolina
Mid May-Mid August
- Philadelphia, PA
Mid June
- Tennessee
Mid June – Mid August
- Southern New England
Late June
- Northern New England
Early July – up to Frost



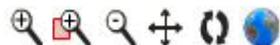
Japanese Beetle Weekly Reporting Record

PORT	Traps Established	Avg. # JB Per Trap	Visual Surveys
Atlanta, GA	06/04/2007	06/11/2007 54 JB	0
Raleigh, NC	05/30/2007	06/05/2007 13 JB	0
Bangor, ME	06/22/2007	07/10/2007 29 JB	0
Wilmington, OH	05/25/2007	06/11/2007 10 JB	1

NAPPFAST - Japanese Beetle

Help

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? State Point

Map Options

Map Date: 2007-05-14, Phenology Date: 2007-05-14

April - 2007						
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

May - 2007						
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

June - 2007						
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

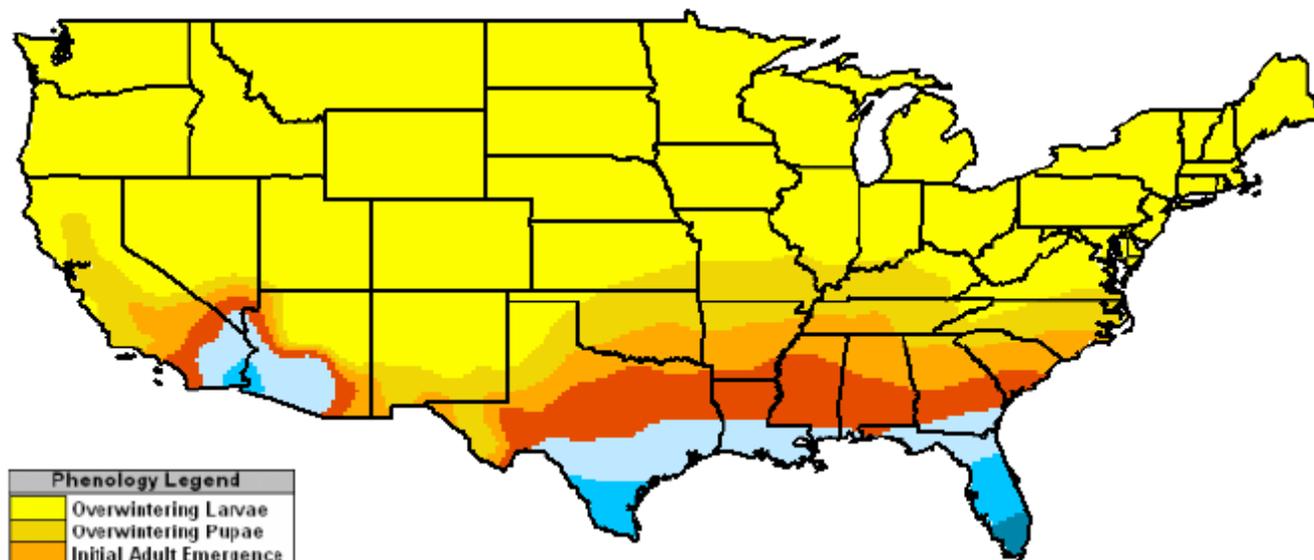
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Phenology Legend	
Yellow	Overwintering Larvae
Light Yellow	Overwintering Pupae
Orange	Initial Adult Emergence
Dark Orange	Initial Egg Development
Light Blue	First Instar Larvae
Medium Blue	Second Instar Larvae
Dark Blue	Third Instar Larvae

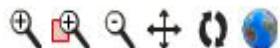
[Edit Regional Commentary](#) [Documents](#)

Regional Map Commentary
Commentary Not Available

NAPFAST - Japanese Beetle

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Map Options

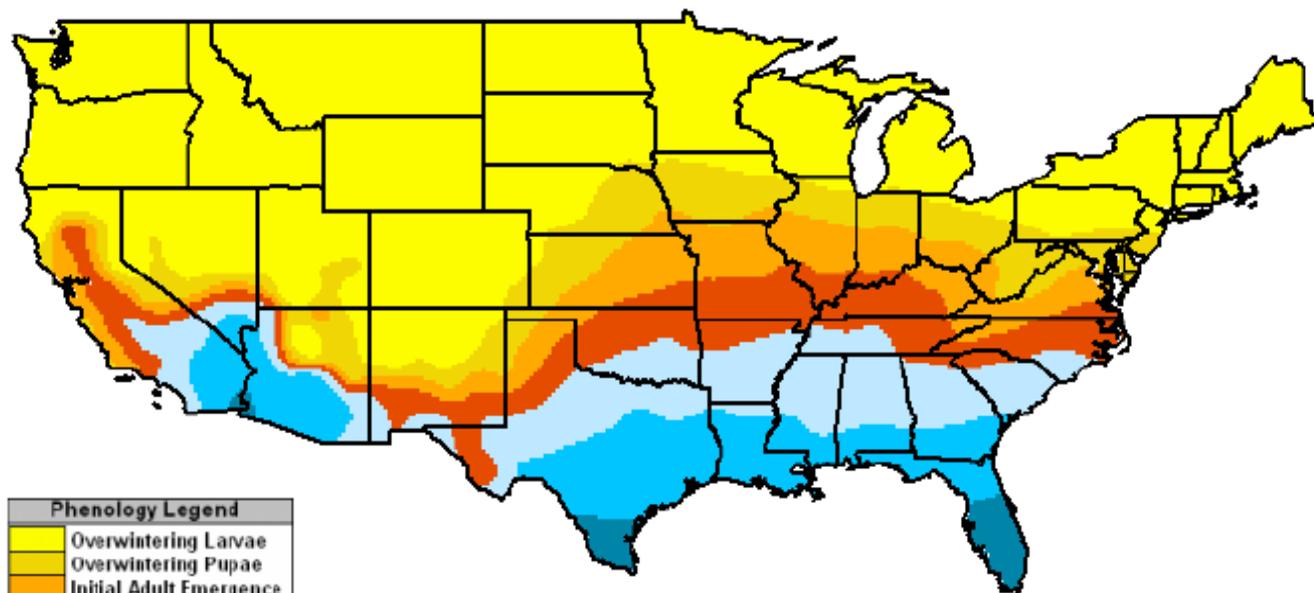
Map Date: 2007-06-08, Phenology Date: 2007-06-04

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[Regional Map Commentary](#)
Commentary Not Available

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? State Point

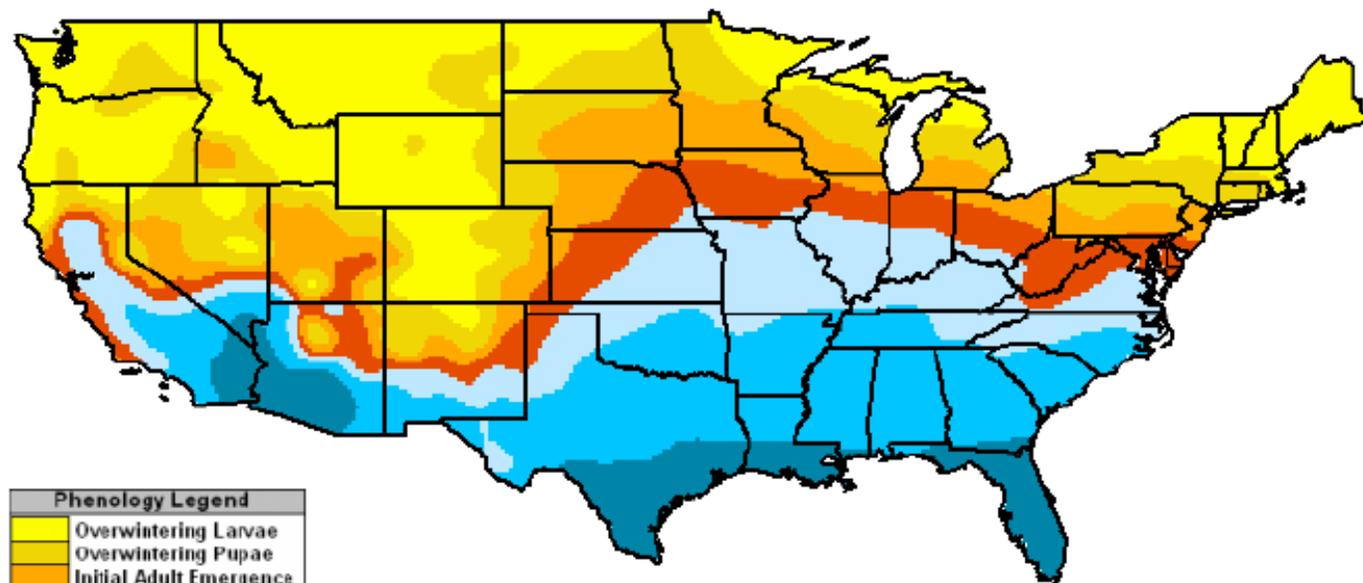
Map Options

Map Date: 2007-06-29, Phenology Date: 2007-06-25

April - 2007						
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Regional Map Commentary (updated: 06/29/07)
FIFTH REPORT REGULATED AIRPORTS [Click on Documents](#)

2007 Regulated Airports

Location	Carrier	Date/Time Regulated	Date/Time Deregulated
Indianapolis, IN	FedEx	June 16, 2007 0900 hrs	August 21, 2007 0900 hrs
Wilmington, OH	ABX, Astar	June 19, 2007 0900 hrs	August 30, 2007 0900 hrs
Charleston, WV	ANG	June 22, 2007 1600 hrs	August 28, 2007 1300 hrs
Dover, DE	USAF	June 27, 2007 1500 hrs	August 17, 2007 1500 hrs
Wright-Patterson, OH	USAF	July 6, 2007 0800 hrs	August 30, 2007 0900 hrs
Rickenbacker, OH	Air Net & ANG	July 9, 2007 1000 hrs	August 24, 2007 1600 hrs
Madison, WI	United Express	July 13, 2007 1400 hrs	September 4, 2007 1500 hrs

2007 Japanese Beetle Interceptions

State	# Dead Dried	# Dead Fresh	#Moribund	# Alive	TOTAL
WA					0
OR	22 DD or DF		1	1	24
CA	368	165	14	32	579
AZ	7		2		9
TOTAL	562 DD or DF		17	33	612

2006 Japanese Beetle Interceptions

- # Dead Dried: 621
- # Dead Fresh: 258
- # Moribund: 3
- # Live: 113

- Total: 974 from 398 Flights



United States Department of Agriculture
Animal and Plant Health Inspection Service

Plant Protection and Quarantine



2005 Japanese Beetle Interceptions

Number of Dead or Moribund: 892

Number of Live: 58

Total: 950

Accomplishments Since 2005

- Development of the web based Survey site on NAPPFAST.
- Adult emergence phenology models for early warning.
- Greater cooperation between PPQ and Airport Authorities, Industry Groups and the Protected States.
- Greater Attention was given to visual surveys.
- Reductions in the number of live Japanese Beetles Interceptions in the Protected States.

What Can Be Done Now?

- Habitat management: Reduce the overall Japanese Beetle populations around airports

Outreach

Air cargo companies don't always control the airport.

Ground Treatments

Host removal

Eastern Region Japanese Beetle Budget

- Over \$147K budgeted for JB activities at regulated airports.
- Japanese Beetle funding is included as part of the EPP allocation and make up approximately 25% of total.
- EPP include JB, PSB, KB, Mollusk Surveys and 19 other pest programs

Needed Funding

- Outreach
- Japanese Beetle population reduction around airports
- Biocontrol around airports
- Research
- Monitoring

2008 Goals

- 100% Exclusion
- Reduction in Japanese Beetle population around airports
- Establishment of IPM practices

Thank you for your attention!

Contact information:

Anwar Rizvi
National Program
Coordinator

4700 River Road, Unit 134
Riverdale, Maryland, USA
20737

301-734-4313 (Phone)

301-734-8584 (Fax)

anwar.s.rizvi@aphis.usda.gov

Leon Bunce
Program Manager,
Eastern Region

920 Main Campus Drive,
Ste 200
Raleigh, North Carolina, USA
27606

919-855-7360 (Phone)

919-855-7391 (Fax)

leon.k.bunce@aphis.usda.gov