

U.S. Department of Agriculture – Agricultural Research Service Bee Research Laboratory Building 476, BARC-East Beltsville, MD 20705 301-504-8821 www.ars.usda.gov/main/site_main.htm?modecode=12-75-05-00	BEE DISEASE DIAGNOSIS		
	Date Received 03/15/13	Date Notified 04/03/13	Apiculture Number 4254

Apiary Owner: PETRUSIA KOTLAR LINDEN HILL FARM & APIARY 8 MABEY LN TOWACO NJ 07082 1108
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Sample Information: BEES (6) HIVES C, D, E, K, I, AND L
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DIAGNOSIS:
 HIVES C AND D: VARROA MITE (Varroa destructor) AND NOSEMA DISEASE (Nosema sp.)
 HIVES K, I, AND L: VARROA MITE (Varroa destructor)
 HIVE E: NO DISEASE OR PARASITIC MITE WAS DETECTED.

Diagnosis By: S. K. ABBAN	Date Diagnosed: 04/03/13
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Submitted By: SAME

Comments:
 THESE SAMPLES WERE SCREENED FOR VARROA MITE AND NOSEMA DISEASE ONLY. THE RATE OF VARROA MITE INFESTATION AND THE AVERAGE NUMBER OF NOSEMA SPORES DETECTED ARE LISTED BELOW.

HIVE C: (7.7 MITES PER 100 BEES) AND
 (550,000 NOSEMA SPORES PRESENT PER BEE)

HIVE D: (9.9 MITES PER 100 BEES) AND
 (7,200,000 NOSEMA SPORES PRESENT PER BEE)

HIVE K: (19.5 MITES PER 100 BEES)

HIVE I: (13.4 MITES PER 100 BEES)

HIVE L: (3.6 MITES PER 100 BEES)

NOSEMA AVERAGE SPORE COUNTS =>1,000,000 ARE CONSIDERED HIGH.