

Varroa Sampling and Feeding Recipes

Varroa Mite Count Thresholds

Alcohol or SugarShake Counts (300 bees = 1/2 cup)

Preferably using frame near brood cluster in upper box

Mite Count divided by 3 gives you % infestation per 100 bees

Mite Counts in mid June, mid July, early August, early September, mid October

Treat anything over 3 mites in June/Jul/Aug (1% infestation)

Treat anything over 6 mites in Sept/Oct (2% infestation)

Sugar Syrup Recipes

Spring 1:1

1.25 cups sugar	1 cup water	
2.5 cups sugar	2 cups water	
5 cups sugar	4 cups water	
6 cups (2.6 lbs) sugar	5 cups water	<== makes 1/2 gallon
12 cups (5.25 lbs) sugar	10 cups water	<== makes 1 gallon

Medium 1.5:1

7.5 cups (3.25 lbs) sugar	4.4 cups water	<== makes 1/2 gallon
15 cups (6.5 lbs) sugar	8.75 cups water	<== makes 1 gallon

Fall 3:2

7.75 cups (3.4 lbs) sugar	4.25 cups water	<== makes 1/2 gallon
15.5 cups (6.8 lbs) sugar	8.5 cups water	<== makes 1 gallon
31 cups (13.5 lbs) sugar	17 cups water	<== makes 2 gallons
57.25 cups (25 lbs) sugar	31.5 cups water	<== makes 4 gallons

Fall 2:1

2.5 cups sugar	1 cup water	<== makes 2¼ cups
5 cups sugar	2 cups water	<== makes 5 cups
10 cups sugar	4 cups water	<== makes 10 cups
9 cups (3.9 lbs) sugar	3.75 cups water	<== makes 1/2 gallon
18 cups (7.9 lbs) sugar	7.5 cups water	<== makes 1 gallon
57.25 cups (25 lbs) sugar	26 cups water	<== makes 3.5 gallons

For mold control in each ½ gallon
add the following:

2 teaspoons ProHealth feed stimulant
OR during robbing season substitute:
½ TBSP lemon juice OR ½ tsp Clorox Bleach

Sloppy Pollen Patty Recipe (feed all hives 4-6 pounds of patties late Aug/Sept)

Combine 2½ cups 2:1 sugar syrup to 3¼ cups (1lb) MannLake UltraBee and stir until mix has consistency of brownie dough (heavy pudding). Soak overnight & roll out into patties between sheets of wax paper. Refrigerate (do NOT freeze) for easier handling. Makes 2½ lbs of pollen substitute.