

Barry's Bee Supplemental Feed Mixture

Given, beekeepers steal honey from the bees for personal use, then we need to be more diligent in maintaining the colony's general health and wellness. Supplemental feeding with vitamins and minerals will definitely help in this objective. To promote brood production we feed 1:1 sugar syrup during the spring and early summer to emulate the sugar content of natural nectar.

When the weather becomes cool during September we then switch to 2:1 sugar syrup so the bees do not have as much work to evaporate excess water when converting to honey for their winter food supply.

The oil of lemongrass makes the sugar syrup very appetizing to the honey bee. The herbal cocktail acts as an organic medicinal and vitamin additive. The Lecithin enables mixing in a water solution. The Vitamin mixture is a nutritional supplement tailored to honey bees.

Four Litre Mix

Ingredients

Sugar - 2 litres (8 cups) for 1:1 mixture, 2.6 litres (10 1/2 cups) for 2:1 mixture

Water - ~2 litres (8 cups) for 1:1 mixture, ~ 1.5 litres (6 cups) for 2:1 mixture

Oil of Lemongrass - 0.1 ml (2 drops)

Herbal cocktail - 0.5 ml (1 eye dropper about 1/2 full) for mildew treatment, 2 ml (4 eye droppers about 1/2 full) for Nosema treatment which is endemic on the south islands, 4 ml (8 eye droppers about 1/2 full) for chalk-brood treatment

Bio-control - 0.4 grams (1/4 teaspoon)

Mixing instructions

- 1) In four-litre bucket fill half way with table sugar, fill with warm tap water until 3/4 full - stir until dissolved
- 2) Add 0.4 grams (1/4 teaspoon) of Bio-Control, oil of lemongrass and herbal cocktail, then blend thoroughly with hand blender on low setting for at least 30 seconds. Let stand for 5 minutes (slaking). Blend on high setting for at least 1 additional minute.
- 3) Top up with cold water as needed to make 4 litres and stir by hand

Two Litre pre-Mix concentrate for forty litres of sugar syrup

Ingredients

Sugar - litres (4cups) for 1:1 mixture

Water - ~ litres (4 cups) for 1:1 mixture

Oil of Lemongrass - 0.1 ml (2 drops) Optional for early spring only

Herbal cocktail - 5 ml

Bio-Control - 4 grams

Mixing instructions

1. In two-litre bucket fill half way with table sugar. Fill with warm tap water until 3/4 full - stir until dissolved
2. Add 4 grams (2 teaspoons) of Bio-Control, oil of lemongrass (optional) and 5 ml of herbal cocktail, then blend thoroughly with hand blender on low setting for at least 30 seconds. Let stand for 5 minutes (slaking). Blend on high setting for at least 1 additional minute.
3. Top up with cold water as needed to make 2 litres and stir
4. For each 2 litre mix of sugar syrup add 100 ml
5. **Store in refrigerator**

For supplies:

For the South Islands area, please contact Barry Denluck by email: Barry@BarrysBees.ca

2025 prices:

Peppermint Oil (20 ml)	\$ 10.00
Oil of lemon grass (20 ml)	\$ 10.00
Herbal cocktail (30 ml)	\$ 15.00
Apis Biologix [Bio-Control] - makes 200 litres	\$ 37.50

More beekeeping information can be found at BarrysBees.ca.