

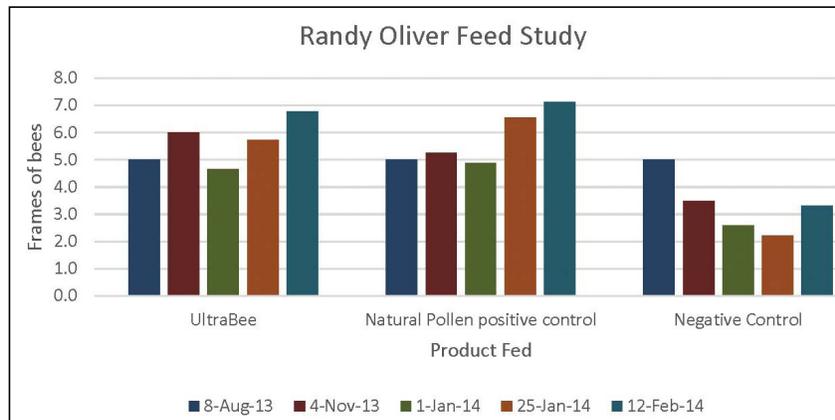


# ULTRA BEE POLLEN SUBSTITUTE

## USES

Pollen substitutes provide the protein, beneficial vitamins, lipids and minerals bees need to thrive and raise brood when natural pollen is not available in sufficient quantities. Ultra Bee provides the industry's highest protein content and has a complete amino acid profile, which allows bees to utilize available protein. Ultra Bee is micronized to the correct particle size for easy consumption by honey bees, contains no animal by-products or natural pollen, and is made with only the finest USA ingredients.

Independent research done by Randy Oliver of scientificbeekeeping.com and published in the American Bee Journal, August and September 2014, shows that Ultra Bee produced results statistically equal to those of natural pollen!



| Amino Acid    | Dry Ultra Bee (in %) | Recommended Amino Acid Profile DeGroot (in %) |
|---------------|----------------------|---|
| Arginine      | 5.631                | 3.0   |
| Histidine     | 3.556                | 1.5   |
| Isoleucine    | 7.449                | 4.0   |
| Leucine       | 29.956               | 4.5   |
| Lysine        | 3.500                | 3.0   |
| Methionine    | 4.644                | 1.5   |
| Phenylalanine | 11.511               | 2.5   |
| Threonine     | 6.020                | 3.0   |
| Valine        | 8.224                | 4.0   |

## FORMAT

Available in dry or patty format.

# ULTRA BEE DRY

Strong colonies can be fed dry pollen substitute when the weather is warm enough for bees to fly. Place Ultra Bee in Mann Lake's Dry Pollen Substitute Feeder (FD-115) or in a box or shallow super with a bottom. Several pieces of wood or other objects should be placed on top of the Ultra Bee to provide a place for bees to groom. Place the box in an open drum or pail tipped on its side to protect Ultra Bee from wind, rain and dew. Guaranteed analysis: Crude Protein: Not Less Than 58%; Crude Fat: Not Less Than 5%; Crude fiber: Not More Than 3%; Moisture: Not More Than 6%; Ash: Not More Than 6%.

## RATE

Feed approximately 1.5 lb. (680 g) per colony when sufficient natural pollen is not available or to keep bees from robbing nearby cattle feed lots.

## STORAGE

Ultra Bee absorbs moisture. Store under cool and dry conditions.

## INGREDIENTS

Plant Protein Products, Processed Grain By-Products, Roughage Products, Canola Oil, Lemongrass Oil, Sodium Chloride, Vitamin A Supplement, Vitamin D<sub>3</sub> Supplement, Vitamin E Supplement, Ascorbic Acid Stabilized, Zinc Sulfate Monohydrate, Menadione Sodium Bisulfite Complex, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Biotin



# ULTRA BEE PATTIES

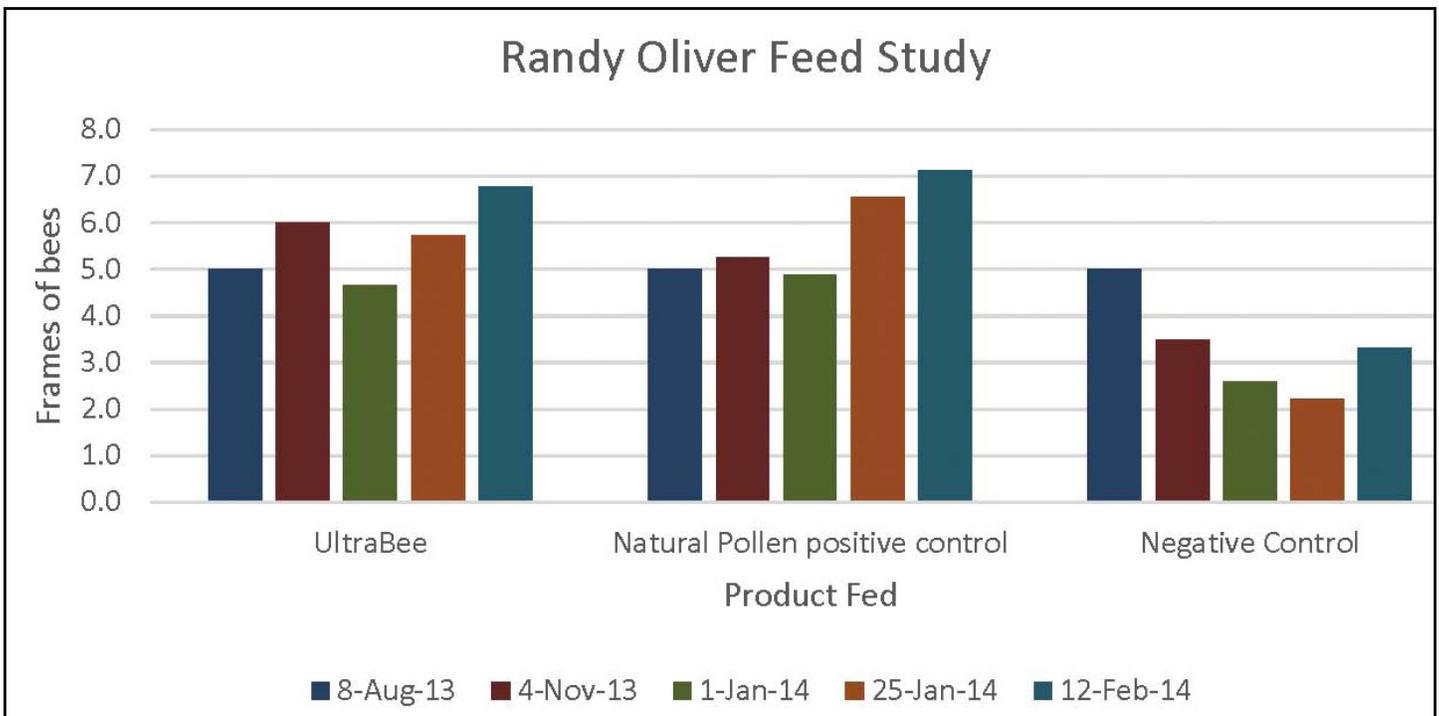
## USES

Pollen substitutes provide the protein, beneficial vitamins, lipids and minerals honey bees need to thrive and raise brood when natural pollen is not available in sufficient quantities. Ultra Bee Patties provide the industry's highest protein content in a patty format and have a complete amino acid profile, which allows bees to utilize available protein. Each particle is micronized to the correct size for easy consumption by honey bees, contains no animal by-products or natural pollen, and is made from only the finest ingredients.

Ultra Bee Patties allow beekeepers to feed pollen substitutes directly in the hive, which is beneficial for weaker colonies or when colonies are prevented from foraging because of cold, wet weather. In contrast, dry pollen substitutes must be feed outside of the hive. Ultra Bee Patties provide an excellent source of the protein and carbohydrates honey bees need to raise brood.

Guaranteed analysis: Crude Protein: Not less than 18% crude protein, crude fat not less than 6%, ash not more than 3%, crude fiber not more than 2%.

Independent research by Randy Oliver of Scientific Beekeeping ([www.scientificbeekeeping.com](http://www.scientificbeekeeping.com)) and published in the American Bee Journal, August and September 2014, shows that Ultra Bee Patties produced results statistically equal to those of natural pollen.



| Amino Acid    | Dry Ultra Bee (%) | Recommended Amino Acid Profile DeGroot (%) |
|---------------|-------------------|--|
| Arginine      | 5.631             | 3.0  |
| Histidine     | 3.556             | 1.5  |
| Isoleucine    | 7.449             | 4.0  |
| Leucine       | 29.956            | 4.5  |
| Lysine        | 3.500             | 3.0  |
| Methionine    | 4.644             | 1.5  |
| Phenylalanine | 11.511            | 2.5  |
| Threonine     | 6.020             | 3.0  |
| Valine        | 8.224             | 4.0  |

## FORMAT

Ultra Bee Patties are available in cartons of 10 or 40 patties or in bulk cartons of 2100 patties. Each patty weighs approximately 1 lb (.45 kg).

## RATE

Place 1-3 patties (no need to remove the paper) on the top bars of the hive. For a two story colony, place the patties on the top bars of the lower box. Do not feed patties when honey supers are present.

## STORAGE

Ultra Bee Patties should be sealed in a plastic bag away from direct sunlight at or below 72° F (22° C) and are best used within two years of manufacture. Patties may be kept in a refrigerator or freezer for longer term storage.

## INGREDIENTS

Plant Protein Products, Fructose, Processed Grain By-Products, Dextrose, Sugar, Water, Canola Oil, Vegetable Shortening, Citric Acid, Lemongrass Oil, Spearmint Oil, Roughage Products, Lecithin, Thymol, Sodium Chloride, Vitamin A Supplement, Vitamin D<sub>3</sub> Supplement, Vitamin E Supplement, Ascorbic Acid Stabilized, Zinc Sulfate Monohydrate, Menadione Sodium Bisulfite Complex, Riboflavin, Pyridoxine Hydrochloride, Folic Acid, Biotin

