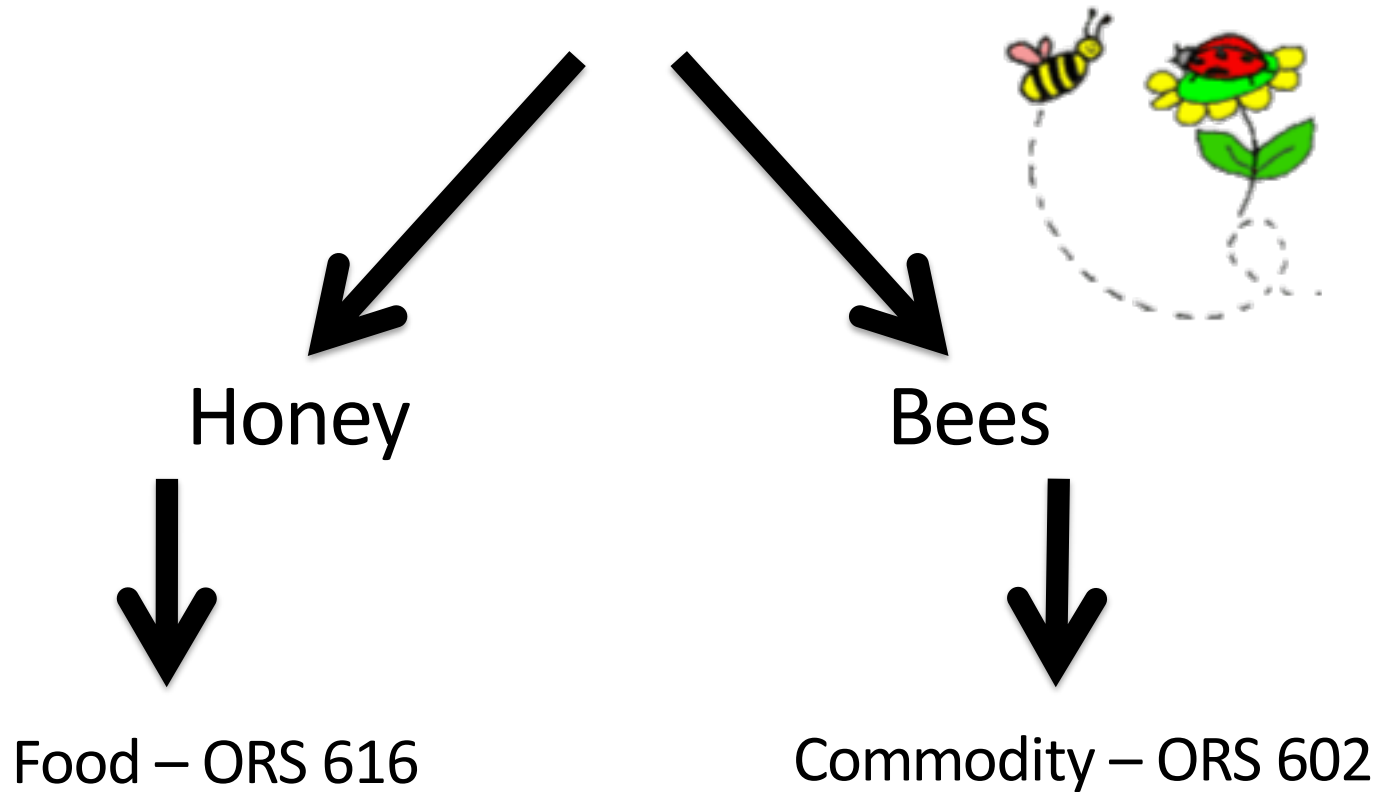




A Honey Presentation

...regulations, labeling, Farm Direct,
and inspection

Let's start with a regulatory look...



Bees...a commodity

Commodity Inspection Division

Bee Hive Registration

Every “person” who owns **FIVE OR MORE** colonies of bees (Statute ORS 602.090) located in Oregon is required to register the colonies with the Oregon Department of Agriculture. Annual registration of colonies is \$10.00. A “Person” includes any individual, partnership, association or corporation (ORS 602.010(9))

The Apiary Registration Form can be downloaded at:

<https://www.oregon.gov/ODA/programs/IPPM/InsectsSpiders/Pages/BeesApiaries.aspx>



Honey...a food



Food Safety Division Food Licensing

Any person extracting honey for commercial activity is required to be licensed (by Statute ORS 616). **HOWEVER**, Extractors who have fewer than 20 colonies and extract only their own honey are considered to be hobbyists, under ODA administrative **POLICY**, and are currently exempt from licensing and inspection requirements. Extractors with fewer than 20 colonies may sell their honey without a license, but the product is required to be properly labeled. Operation under exemption requires submission of the Honey Extraction Exemption form, which may be downloaded at:

<https://www.oregon.gov/ODA/shared/Documents/Publications/FoodSafety/HoneyProcessorsExemptionForm.pdf>

Labeling...a consumer's guide

A packaged consumer commodity (any food defined under ORS 616) must bear minimum label requirements as prescribed in 21 CFR 101 (160 pages)



- 1) Food Identity
- 2) Net Weight in U.S. Customary and Metric
- 3) Ingredients (Single ingredient not required)
- 4) Name and Address of Manufacturer*

* Farm Direct processors must also include County in the address as described in OAR 603-025-0225(2)



The basic format...



Clover Honey

**Manufactured by Oregon Bee Sting Farms
635 Capitol Street, Salem, OR 97301**

Net Weight 12oz (130g)



The basic ingredients format...

Spicy Clover Honey

Ingredients: honey, dried habanero peppers,
dehydrated Tabasco Sauce, black pepper.

Manufactured by Oregon Bee Sting Farms
635 Capitol Street, Salem, OR 97301

Net Weight 12oz (130g)



Food identity prominent, bold type,
at least half the size as the largest print

Gunter's
PURE
HONEY®
ORANGE BLOSSOM

100% Natural

Producer and Packer
Gunter's Honey
Berryville, VA 22611

NET WT. 16 OZ. (454g)



Net weight in BOTH
U.S. Customary and
metric, no less than
1/16 inch based on
height of lower case "o"

Street address?





Net Weight
Lower 30% Panel





MIXED
MADE

MIXEDMADE.COM

B E E S
K N E E S
S P I C Y
H O N E Y

HANDMADE IN BROOKLYN, NY

8 FL OZ

Ingredients

Manufacturer
Name and Address

Net Weight





BEES
KNEES
SPICY
HONEY

HANDMADE IN BROOKLYN, NY

NET WT 13.5 OZ (383g)





Marketing and Descriptive Language





Apple Grade Only?

What does
That mean?


KIWI
KOSHER
PAREVE

*Manuka
Honey*

BIO ACTIVE 20+

NEW ZEALAND 500g / 1.1lb



What is 100% Pure?





Pure Product or
Flavored Product?



NATURE NATE'S[®]

NATURAL

MADE BY AMERICAN BEES[®]

**DON'T FEED HONEY TO
BABIES ONE YEAR OR YOUNGER**
For nutritional information please
visit naturenates.com

Ingredients: Orange Blossom Honey,
Natural Flavor, Sunflower Lecithin

**We thank God for allowing us
to serve you and your family.** - NATE

 **Product of the U.S.A.**

Packed by Nature Nate's[®]
Valdosta, GA 31601 469.452.4429







"Honey" at least half the
size of "Lee's Bees"?



RAW

Lee's Bees

Pure Oregon Honey



LOCAL



Limited Supply: Meadowfoam



This rare native Oregon plant produces honey with a
Root beer top note and a finish like toasted Marshmallows.

"Strained, never filtered, to retain natural pollen"

Lee's Bees 92727 Cape Blanco Rd. Sixes, Oregon 97476  www.leesbeeshoney.com

Net. Wt. 8 Ounces (226.8 grams)



Raw-Unfiltered
Honey

Betterbee
8 Meader Rd.
Greenwich, NY 12834

Net Wt. 12.7 oz



Nutrition Facts

Serving Size 1 Tbsp (21g)

Servings Per Container 00

Amount Per Serving

Calories 60

%Daily Value*

Total Fat 0g **0%**

Sodium 0mg **0%**

Total Carb. 17g **6%**

Sugars 16g

Protein 0g **0%**

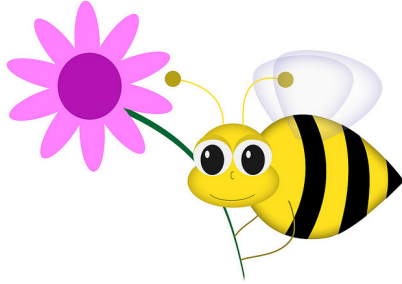
*Percent Daily Values (DV) are based on 2,000 calorie diet.

Do I need nutrition facts?

Depends...

- 1) Required if firm is manufacturing at least 100,000 units per year OR has more than 100 full-time employees
- 2) Firm makes a nutrition claim, such as “low-fat”, “no trans-fat”

Farm Direct Sales



- 1) Producers selling only to retail customers (end users) do not need a Food Safety Program license, regardless of the number of hives owned.
- 2) If a honey producer has more than 20 hives, and sell retail only, then all honey must bear required label information listed in OAR 603-025-0225(2) and must also state: "This product is not prepared in an inspected food establishment," and "Not For Resale."
- 3) Honey producers still need an apiary registration with the Commodity Inspection Program of ODA if they own five or more hives.
- 4) Producers who have more than 20 hives and are wholesaling honey need a Food Safety Program license.

Handling Honey

Honey is a Stable, Low-Risk Food

1) Osmotic effect – water activity range 0.562 to 0.62

Aw **0.85** *S. aureus*, 0.70 Nuts, **0.60** Honey, Dried Fruit, Caramel

2) Acidity – pH between 3.2 and 4.5

Pathogen growth (Salmonella) > pH 4.2



3) Hydrogen peroxide – glucose oxidase produces gluconic acid & H₂O₂

Active Ripening – Deactive pH Mitigated – Active Dilution

4) Phytochemicals – antimicrobial factors isolated from honey

pinocembrin, terpenes, benzyl alcohol, 3,5-dimethoxy-4-hydroxybenzoic acid (syringic acid), methyl 3,5-dimethoxy-4-hydroxybenzoate (methyl syringate), 3,4,5-trimethoxybenzoic acid, 2-hydroxy-3-phenylpropionic acid, 2-hydroxybenzoic acid and 1,4-dihydroxybenzene

What is of concern?

...Adulterated? ...Contaminated?



- 1) Pesticide/Herbicide
- 2) Cleaning chemical
- 3) Plastic transfer lines
- 4) Gear grease/oil
- 5) Copper/ Galvanized (zinc)
- 6) Metal fragments
- 7) Mold
- 8) Bee parts
- 9) Wax
- 10) Paint strainer

Is My Quality Control Adequate?

Is Gravity Settling Adequate?

Is Filtration Adequate?

Questions?

