



brown's
FISH FERTILIZERS





BROWN'S FISH FERTILIZERS

are produced in the beautiful mountains of western North Carolina. Our products are made from only the freshest fish which are grown in our cool, crisp mountain streams. Over the past few years we, at C.R. Brown Enterprises, have worked very hard to perfect our hydrolysate product for our valued growers.

Brown's Fish Hydrolysate is an all natural, highly nutritional, protein fertilizer. It is packed with micronutrients and amino acids that the soil and plants need. Brown's Fish Hydrolysate is produced using a cold process, which uses the natural enzymes in the fish to digest the mixture from a solid to a liquid. The filtered liquid is kept in a large stirring tank ensuring a consistent product. Before the final packaging it is filtered again through a 120 mesh screen to ensure that it may be sprayed without risk of clogging. The result yields a safe, stable and easy-to-use product for our valued growers.



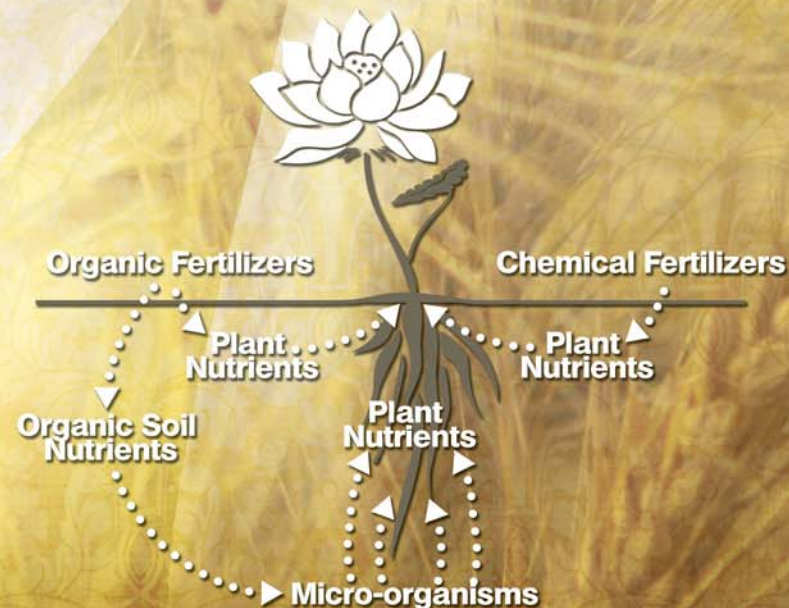
Brown's
FISH HYDROLYSATE

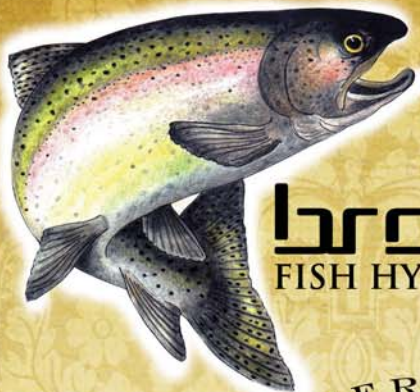
VERSUS

CHEMICAL FERTILIZERS

In the past many have chosen to go towards chemical fertilizers, which have had devastating effects on our soil's health as well as the nutrition of our food. Brown's Fish Hydrolysate is very different from these health-stripping, chemical fertilizers. We know that healthy soil structure is the most important factor of long-term gardening and growing, and that is what we strive to give our growers. The continued application of Brown's Fish Hydrolysate actually brings the nutrients back into the soil and makes the soil come to life. The microorganisms in the soil, being nourished and well fed, provide the necessary nutrients to grow healthy and productive plants.

It has been estimated in university studies that up to 80% of the nitrogen in chemical fertilizers either leaches out or gasses off. However, the nitrogen stays in the soil with Brown's Fish Hydrolysate, making it equivalent to chemical fertilizers with much higher N-P-K values. It has even been shown to outgrow 15-15-15 fertilizers.





Brown's
FISH HYDROLYSATE

VERSUS

FISH EMULSIONS

1

Brown's fish fertilizers are made from fresh rainbow trout which are packed full of nutrients from native creeks and rivers and from a diet of fish meal made from a variety of ocean fish. Those nutrients, amino acids, vitamins, enzymes and growth hormones are very important for optimal plant growth.

Fish emulsions are usually made from "trash fish," or fish that we don't eat. These fish, usually Menhaden, are caught in harbors and coastal waterways that are often exposed to much coastal pollution.

2

Brown's Fish Hydrolysate is filtered twice. The second time is through a 120 mesh screen before it is shipped to our customers. This makes for a very smooth product that is very easy to apply through sprinklers or drip tape.

Fish Emulsion is very thick since it has been cooked down. This makes it very hard to handle and almost impossible for sprinklers and drip tape.



3

Brown's Fish Hydrolysate is produced using a cold process so that all the nutrients, vitamins, enzymes and growth hormones are protected. Phosphoric acid is used as a pH stabilizer and as a great source of phosphorous that plants love.

Fish emulsions remove the protein to sell for animal feeds and the fish oil to sell for other uses. The remains are then cooked until about 50% evaporation occurs and it is sold as a concentrated fertilizer. This makes for a product with very high chlorine levels and with very little nutrients, since most of the heat sensitive vitamins, amino acids and growth hormones have been cooked out.

4

Brown's Fish Hydrolysate is made from the freshest fish through a cold process causing the odor to be very light, similar to a fresh fish.

Fish Emulsions smell horrible!



RESULTS



UNDENIABLE RESULTS

The drastic difference in the potato plants above is due to one soil application of Brown's Fish Hydrolysate before planting. Not only did the plants themselves get much bigger, but the potatoes were huge!

"I have never been able to grow flowers like these until I used Brown's Fish Hydrolysate. The colors and size are amazing!"
Richard Moore, local organic grower
Nantahala, NC

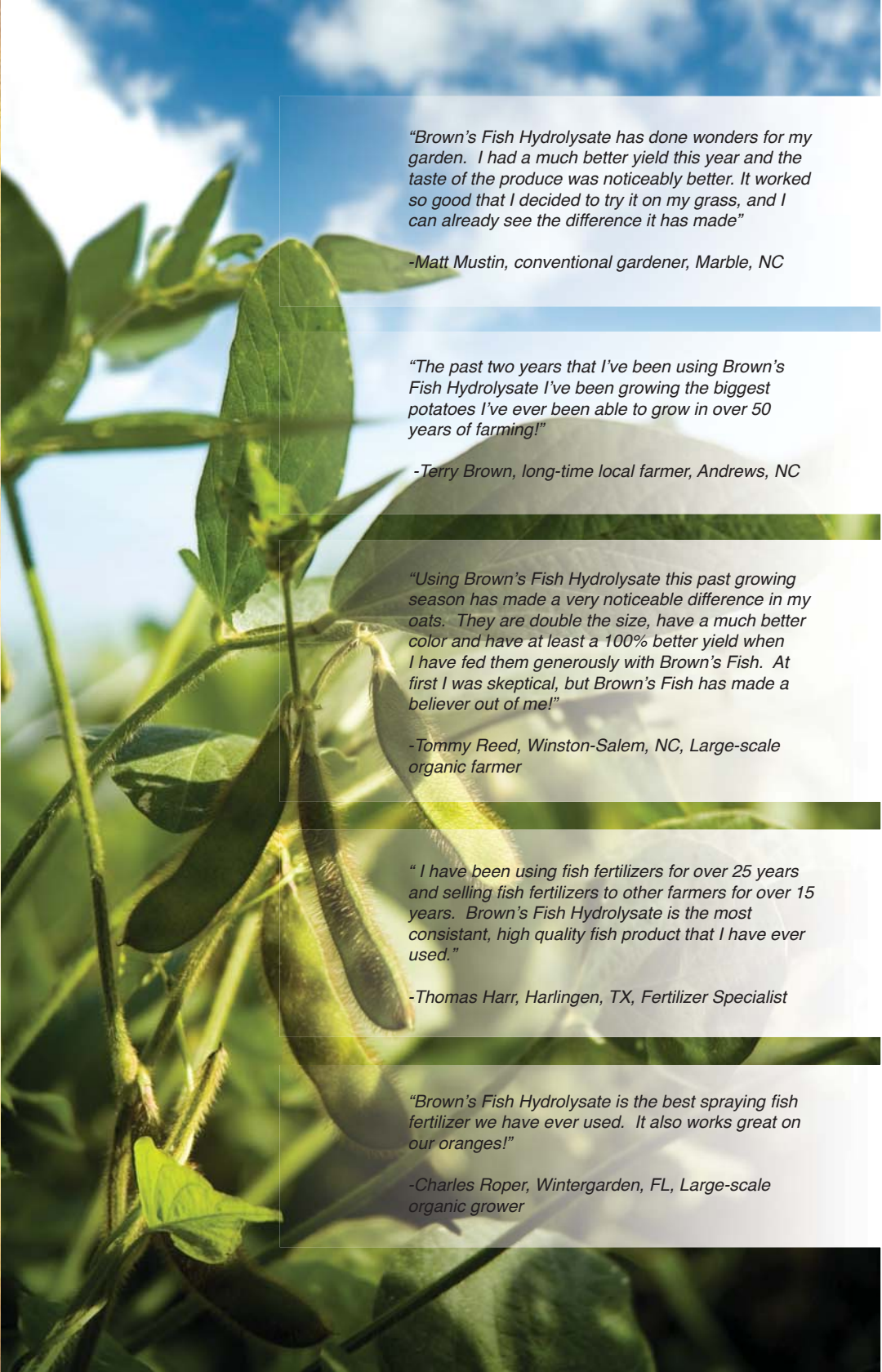


Brown's Fish Hydrolysate was tested against a chemical 10-15-10 fertilizer with these tomato and sweet pepper plants. The plants on the left used Brown's Fish Hydrolysate. Not only was there a huge difference in size, but the plant using Brown's Fish Hydrolysate produced 500% more fruits and vegetables. The taste difference was also incredible!

BENEFITS

BROWN'S FISH HYDROLYSATE:

- Vastly improves soil structure.
- Is packed full of important vitamins, amino acids, enzymes and growth hormones.
- Has a cold process that leaves the nutrients unharmed for the plants.
- Grows beneficial bacteria and fungi for better nutrient and moisture retention that the plants need.
- Reduces the compaction of the soil making it loose and airy.
- Increases topsoil over time.
- Acts as a great foliar spray to bring the nutrients directly from the leaves into the plants.
- Greatly increase plant growth and yield
- Helps keep the nitrogen in the soil to be released when the plants need it.
- Has been known to outgrow chemical fertilizers with much higher N-P-K values.
- Makes for greener, more lush grasses for healthier livestock
- Produces fruits and vegetables with a noticeably better taste
- Works great as a compost enhancer.
- Has a shelf life of years, as long as it is undiluted.
- Has much less odor than emulsions and it dissipates shortly after application.



"Brown's Fish Hydrolysate has done wonders for my garden. I had a much better yield this year and the taste of the produce was noticeably better. It worked so good that I decided to try it on my grass, and I can already see the difference it has made"

-Matt Mustin, conventional gardener, Marble, NC

"The past two years that I've been using Brown's Fish Hydrolysate I've been growing the biggest potatoes I've ever been able to grow in over 50 years of farming!"

-Terry Brown, long-time local farmer, Andrews, NC

"Using Brown's Fish Hydrolysate this past growing season has made a very noticeable difference in my oats. They are double the size, have a much better color and have at least a 100% better yield when I have fed them generously with Brown's Fish. At first I was skeptical, but Brown's Fish has made a believer out of me!"

-Tommy Reed, Winston-Salem, NC, Large-scale organic farmer

"I have been using fish fertilizers for over 25 years and selling fish fertilizers to other farmers for over 15 years. Brown's Fish Hydrolysate is the most consistent, high quality fish product that I have ever used."

-Thomas Harr, Harlingen, TX, Fertilizer Specialist

"Brown's Fish Hydrolysate is the best spraying fish fertilizer we have ever used. It also works great on our oranges!"

-Charles Roper, Wintergarden, FL, Large-scale organic grower

INSTRUCTIONS FOR USE

House Plants:

Use 1 tablespoon per gallon of water. Fertilize every 2-3 weeks.

Outdoor Plants:

Use 1/8 Cup per gallon of water. Fertilize vegetables, flowers, trees and shrubs every 2-3 weeks. Apply until soil is saturated or until leaves are wet if the product is used as a foliar spray, top & bottom.

Lawns:

Use 4 gallons mixed at a 30:1 water to fertilizer ratio to cover an acre. Feed monthly during growing season and again in the fall.

Compost Enhancer:

Use ¼ Cup per gallon of water every 2-3 weeks.

Seed Germination:

Let the seed sit in a solution of 1 teaspoon per cup of water.

Vegetable crops:

It is recommended for you to apply 3 gallons per acre 4 times a year. The first application is at planting, the second is when the first primary leaves come out. The third application is at the pre-blossom stage, and the fourth application is at pre-harvest. Dilute at least 25:1

Field crops:

It is recommended that you apply 2 to 3 gallons per acre 4 times a year. The first application is at planting, the second application is when grains are 4-5 inches tall, corn 8-10 inches tall, and bean have their first true leaves. The third application is at pre-boot, pre-blossom, or pre-tassel, and the fourth application is at pre-harvest.

Pasture:

It is recommended for you to put 2-3 gallons per acre mixed with a minimum of 20-30 gallons of water for each application. It is best to spray every three weeks, but it is possible to apply less and still get good results.

Hay:

Recommended application is 2-3 gallons per acre with 20-30 gallons of water for each application. The first application is when the hay comes out of dormancy, the second is 2-3 weeks before cutting, and the third is after cutting.



Nutrient Analysis of Hydrolyzed Fish 2-3-1

ELEMENTS

| | | | |
|--------------|----------|--------------------|----------|
| Nitrogen | 2.30 | Mercury (total) | n.d. |
| Phosphorous | 3.50 | Selenium (total) | n.d. |
| Potassium | 1.00 | Nickel (total) | n.d. |
| Calcium | 0.65 | Cobalt (total) | n.d. |
| Sulfur | 0.40 | Cadmium (total) | n.d. |
| Magnesium | 0.02 | Arsenic (total) | n.d. |
| Sodium | 0.08 | Molybdenum (total) | n.d. |
| | | Chromium | 0.35 ppm |
| Iron | 125 ppm | Silver | n.d. |
| Manganese | 3.00 ppm | Lead (total) | n.d. |
| Copper | 2.30 ppm | | |
| Zinc (total) | 34.0 ppm | | |
| Boron | n.d. | | |
| Aluminum | 27.8 ppm | | |
| Barium | 1.40 ppm | | |
| pH | 3.5 s.u. | | |
| FAT ANALYSIS | 12% | | |



Ingredients: rainbow trout, phosphoric acid, and sulfate of potash

DO NOT STORE DILUTED

This product can be applied at the maximum rate of 25.8 lbs. per acre up to 7 times a year. The dilution rate will differ based on type of crop.

Manufacturer:
C.R. Brown Enterprises
235 Milton Mashburn Dr.
Andrews, NC 28901
828-321-3335

Net Weight 8.9lbs per gallon

C.R. Brown Enterprises has been growing and processing delicious rainbow trout in Andrews, NC since the early 1980's. Providing much of the eastern United States with fresh and frozen trout, Andrews, NC is now known as the trout capital of the Southeast. C.R. Brown has now decided to step into the world of organic growing with its new product, Brown's Fish Hydrolysate.

Although only one product is currently available, C.R. Brown is working alongside a handful of organic growing experts to create more fertilizers and biostimulants in order to meet all the needs of diverse, organic growers.

Brown's Fish Hydrolysate is Available in:

32 oz. bottles

1 gallon jugs

5 gallon buckets

55 gallons barrels

275 gallon totes

5000 gallon tanker loads



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