

Njekt 800 NT System



Option 1

Njekt Soil Injector 800NT Series

including:

- (1) 1 Gallon Rinse Tank
- (1) 1 Gallon Quick Change Application Tank
- (1) Injection Needle (3", 6" or 9")
- (1) Njekt Oiler
- (1) 4 oz. Teflon Oil

Option 2

(2) 1 Gallon Quick Change Application Tanks

- (1) Jacto 4 Gallon Backpack Sprayer*

*The backpack is enabled for direct connect to the Njekt. (Also operates alone as a fully functional backpack.)

Option 3

Includes Option 1 & Option 2

Option 4-T

Track Mounting System

This vertical option is a track system that permits unlimited creativity. Both the Njekt and backpack are mounted individually. Choose between mounting the (4) 1 Gallon Quick Change tanks separately or in a single 4-compartment shelf. (5) 30" long tracks complete with spring loaded nuts can be mounted vertically or horizontally in a configuration that best suits your space availability and layout preferences.

Installation not included.

Option 4-C

Composite Mounting System

This vertical option has one mounting plate for the Njekt and backpack and a separate mounting system for (4) small containers. Mounting flanges permit you to bolt it up anywhere that is convenient.

Installation not included.

Option 4-H

Horizontal Storage System

Specially designed holder for all of your one gallon and rinse tanks. This holder could also mount into various tool/storage boxes that you already own.

Installation not included.



Designed & Built by
Nature's Pro, LLC

Njekt.com

Njekt™
Soil Injector
(800) 645-6464

Specifications:

- Just two moving parts.
- Chemical resistant components are even suitable for liquid fertilization.
- Stainless steel needles and valves.
- One year limited warranty.

- 1. Handle Adjustment** - Unlimited height and angle adjustment.
- 2. Liquid Source** - Use the removable tank (as shown), a modified backpack sprayer, or a tank you already have.
- 3. Injection Needle Storage** - Slot for injection needle storage.
- 4. Mechanical Counter** - Shows the number of injections (on operator side.)
- 5. Calibration Scale** - Adjust from 0-10 oz. (0-300ml)
- 6. Fill Chamber** - Up to 10 oz. per insertion.
- 7. Injection Needle** - 3", 6" or 9" lengths.
- 8. Foot Plate and Toe Holder**



The most profitable piece of equipment in our PHC inventory and we paid for our Njekt in 2 weeks. Compared to our spray truck, the Njekt's set-up time is less, and I don't have to waste 10 gallons just to fill the hose.

Jake Demasi
Alpine Tree Company

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The Njekt is cordless, quiet, unobtrusive, and I can get the job done in half the time. And best of all, with the Njekt I can treat trees without wounding them by drilling holes.

Jim Dunkerly
Tree King Tree Service,
Professor of PHC at
Columbus State

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The Njekt allows us to streamline our production - like doing 2 weeks of work in just a week. Labor savings, yes - but also better for the plant because it makes it easier to get the product in the ground at the right time.

Richard Lewis, III
Woodbridge Estate Care

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Accessories

Jacto Njekt Enabled Backpack Sprayer (4 Gallon)
Backpack Conversion Kit (Convert your own backpack)
Backpack Hose (with fittings) for Njekt
Quick Change Tank - 1 Gallon
Rinse Tank - 1 Gallon
Wall Mounted Tank Holder (Bracket holds one tank)*
Wall Mounted Njekt Holder (Bracket holds one unit)*
Injector Tips (3", 6" or 9") (each)
Oiler Kit (Oiler, 4 oz. Teflon Oil)
Backpack Shelf*

Easy Track Mounting System (5 - 30" sections)

*Includes mounting hardware

Call (800) 645-6464 for NT 700 and NT 800 System parts and accessories.

Njekt Application Examples and Income Potential

The income numbers contained in the following summary are based on services provided in Columbus, OH. Northeastern and west coast states are likely to have higher incomes whereas rural areas are likely to be less.

Pricing of Njekt applications is based on two factors, cost of products and cost of labor. In the following example, labor is priced at \$90 per hour or \$0.025 per second. It takes 5 seconds to make an injection but we are basing cost on 10 seconds to account for preparation time. Therefore, the labor cost is \$0.25 per DBH and will be added to the product costs in the chart below.

Product	Application Rate Per Inch DBH	Product Cost	Product Cost per Inch DBH	Total Cost	Charge to Customer*	Profit per Inch DBH
Imidacloprid (Merit)	0.2 oz.	\$1.05 / oz.	\$0.21	\$0.46	\$5.00	\$4.54
Neonicotinod (Safari)	0.10 - 0.42 oz.	\$11.02 / oz.	\$1.10 - \$4.63	\$1.35 - \$4.88	\$10.00	\$5.12 - \$8.65
Phosphite Fungicide (Reliant or TKO)	7.04 oz.	\$0.41 / oz.	\$2.89	\$3.14	\$9.00	\$5.86
Acephate (Lepitect)	0.2 - 0.4 oz.	\$7.90 / oz.	\$1.56 - \$3.16	\$1.83 - \$3.41	\$9.00	\$5.59 - \$7.17
Soil Conditioner (Bio-Aer)	6.5 oz.	\$0.26 / oz.	\$1.69	\$1.94	\$5.00	\$3.06
Fertilizer (Bio-Tree & Shrub)	1.6 oz.	\$0.26 / oz.	\$0.42	\$0.67	\$5.00	\$3.06
Micronutrients (Bio-Green)	2 oz.	\$0.32 / oz	\$0.64	\$0.89	\$5.00	\$4.11

*This is a middle price range. Can vary dramatically per region.

Pricing as of 2/13/25

Looking at the labels for the above products, it is obvious that many diseases can be treated, as well as other beneficial applications, using the Njekt. The mix rates above are based on optimum application conditions. Lack of soil moisture may require additional water to enable better dispersion of active ingredients, through the soil.

For Example:

1. Imidacloprid can be used to control many different kinds of scale insects as well as tree borers or insects with sucking mouth parts. This insecticide is a great wide-range material that has a season long systemic action.
2. Phosphite Fungicides can be used to control a very wide range of diseases from apple scab to anthracnose to bacterial diseases. It can be applied through the soil, canopy sprayed, or trunk applied. It can even be injected. Soil injection is one of the least invasive and easiest to accomplish.
3. Acephate (Lepitect) can be soil applied for a rapid, albeit short-lived, control of nearly any insect pest. We inject it into the soil at the base of the tree for a speedy uptake without risking drift of pesticide to a non-target area.

How Much Money Can You Make Using Imidacloprid as an Example?

Using a 10" DBH tree as an example, it would take 1 minute 40 seconds to make 10 injections. The Njekt can be calibrated to inject up to 10 oz. of mixed chemical per injection site. An easy way to make the application is to apply many injections as there are inches of DBH. Therefore, each injection site should have 0.2 oz. of Imidacloprid and up to 9.8 oz. of water. Our client in Columbus, OH uses a more concentrated material in the tank so that each injection will deliver 0.2 oz of active ingredient and 3.8 oz. of water for a total of 4 oz. per injection. This allows for optimal delivery and dispersion rates. In this example, therefore, we are using 40 oz. of mixture per tree.

Using the 1G container that comes with the Njekt, 128 oz. will adequately treat 3 trees, take 5 minutes, and generate \$50 per tree for a total of \$150 gross revenue. For greater efficiency, upgrade to the optional 4G backpack and treat over 12 trees, billing \$600 in 20 minutes.

Njekt is fast, efficient and profitable.



MAKING MONEY THROUGH THE SEASONS

THE NJEKT SOIL INJECTION SYSTEM IS THE MOST EFFICIENT, FLEXIBLE, AND PROFITABLE SOIL INJECTION SYSTEM IN THE INDUSTRY. WHY?

1. **No wasted chemicals** - Like those remaining chemicals in a pump and hose reel.
2. **Using less chemicals** - Dramatically less than canopy sprays.
3. **Use less water** - Only ounces per DBH injection instead of gallons with a spray truck.
4. **Products can be pre-mixed** - No lost time mixing with the spray rig.
5. **Exchange products quickly** - Less than 60 seconds. Again, no lost time mixing.
6. **No second or third trips** - Get all applications done with only one property visit - no return trips for applications that were too inconvenient to make the first time.



March/April

- fertilizing shrubbery to help recover from winter damage
- systemic for scales
- fertilizing for ornamental trees (plum, dogwood, etc.)
- fertilizing for privacy hedges
- soil test recommendations

May/June

- systemic to control taxus weevil, scales
- bark sprays (backpack)
- disease control
- root feeding ornamental trees especially ones stricken by scale insects
- soil test recommendations

June/July/August

- taxus weevil control
- disease control
- systemic for spider mites
- drought recovery
- soil test recommendations



Sep/Oct/Nov

- shade tree fertilizing
- systemic for scales, mites, etc.
- soil test recommendations
- soil modification to promote deep root development in a friable soil texture

Late November/December

- anti-desiccant to protect tender evergreens from winter winds, ice and snow damage (backpack)

**NJ EKT - YOUR FIRST CHOICE IN PLANT HEALTH CARE -
21ST CENTURY EQUIPMENT BY NATURE'S PRO, LLC**

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