

# N-TAKE

## A VERDESIAN NUE SOLUTION™

### A Premium Liquid Inoculant for Pea, Vetch, and Lentil

GUARANTEED ANALYSIS - CONTAINS NON-PLANT FOOD INGREDIENTS

Active Ingredient: 1.0% by wt.

*Rhizobium leguminosarum biovar viceae* 7.2 x 10<sup>8</sup> CFU/mL

Inactive Ingredients: 99.0% by wt.

#### THIS PRODUCT CARRIES A ONE (1) YEAR SHELF LIFE.

This product does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### KEEP OUT OF REACH OF CHILDREN

Read all label directions carefully before using this product. Use standard protective clothing and equipment including gloves, safety glasses and a NIOSH or MSHA approved nuisance dust mask during product handling and storage. See product SDS for additional health and safety information.

This product contains live organisms that are sensitive to chemicals and harsh environmental conditions.

#### DIRECTIONS FOR APPLICATION

- Use N-TAKE to inoculate only the legume(s) designated on this package.
- Use before the expiration date marked on the package.
- Label seed with the same expiration date if intended for resale.
- Do not mix more N-TAKE liquid than can be planted in one day.
- Do not allow the tank mix to exceed 90°F.
- Do not band, knife, or apply N-TAKE on top of the soil.
- The product should be placed as close to the seed as possible, due to *Rhizobia* migrating slowly in the soil.
- Plant into moist soils.
- Immediately irrigate the ground starting with the seed that was planted first, as extended periods of hot, dry soils may have detrimental effects of the viability of the *Rhizobium*.

#### ON SEED APPLICATION

- Ensure treater has been cleaned and properly calibrated prior to use.
- Shake bladder before use.
- Apply N-TAKE at a rate of 1.75 fl. oz. per 50 pounds (22.7 kg) of seed.
- Apply recommended rate of N-TAKE directly onto the seed and mix until all seed is covered.
- Consult a Verdesian representative or the Verdesian website for a complete list of compatible seed treatments.

**CAUTION: Over application could cause bridging of the seed and seed flow problems in the planter.**

#### DIRECTIONS FOR CONTINUOUS FLOW APPLICATION TO THE SEED

##### ASSEMBLY:

- Shake box to distribute bacteria.
- Do not remove bladder from box as sunlight may damage bacteria.
- Lay the N-TAKE box on a flat surface to prevent product from spilling.

#### SEED FLOW AND N-TAKE RATES

##### SEED FLOW PER MINUTE

LBS	300	360	420	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200
(KG)	(136)	(163)	(191)	(218)	(245)	(272)	(299)	(327)	(354)	(381)	(408)	(435)	(463)	(490)	(517)	(544)
BU	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

##### RECOMMENDED RATES OF N-TAKE LIQUID

OZ/10 sec. (mL)	1.75 (52)	2.10 (62)	2.45 (72)	2.80 (83)	3.15 (93)	3.50 (104)	3.85 (114)	4.20 (124)	4.55 (135)	4.90 (145)	5.25 (155)	5.60 (166)	5.95 (176)	6.30 (186)	6.65 (197)	7.00 (207)
OZ/min. (mL)	10.5 (311)	12.6 (373)	14.7 (435)	16.8 (497)	18.9 (559)	21.0 (621)	23.1 (683)	25.2 (745)	27.3 (807)	29.4 (869)	31.5 (932)	33.6 (994)	35.7 (1,056)	37.8 (1,118)	39.9 (1,180)	42.0 (1,242)

- Assemble application cap and tubing to the bladder bag.
- Insert hanging devise ("S" hook) into white grommet and hang from wagon.
- Make sure tubing hangs straight down at the base of the auger.

#### CALIBRATION:

- Estimate seed flow through drill fill auger. Operate at 1/2 capacity to achieve best results.
- Use the table at right to determine N-TAKE rates.
- Initially calibrate N-TAKE flow below recommended rate and increase to proper rate.
- Collect a sample of N-TAKE for 10 seconds using a cup and adjust application devise to obtain the proper rate.
- Use clamp to start or stop flow of N-TAKE liquid.
- Proper rate of N-TAKE is when seed first becomes uniformly coated and completely glistens.

#### IN-FURROW APPLICATION

- Shake bladder before opening for use.
- Calculate feet of row to be planted based on acres and row width.
- Dilute 87.5 fl. oz. of N-TAKE per 10 gallons of clean, non-chlorinated water at 30" row width.
- Apply at a rate of 70 fl. oz. per 1000 feet of row.
- Apply to the seed trench; do not apply banded to the side below, or above seed.

**NOTE: Higher rates of water per acre may be used, but must adjust volume of N-TAKE per gallon of water.**

- Best results with proper agitation or circulation of liquid in tank.
- Use the mix within 24 hours.

#### STORAGE/DISPOSAL RECOMMENDATIONS

- Store in a cool, dry place out of direct sunlight.
- Keep from freezing.
- Store between 40°F and 77°F (4°C and 25°C).
- Open package only when ready for use.
- Use before expiration date.
- Do not allow product or packaging to become wet, or exposed to high humidity.
- Do not store product in an area to be fumigated.
- Small amounts of product which cannot be used according to the label instruction may be disposed of in a landfill.

PEA, VETCH, AND LENTIL  
N-TAKE

To access Verdesian's Warranty Statement please go to [vlsci.com/limited-warranty](http://vlsci.com/limited-warranty)

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**DENSITY:** 8.51 lbs/gal (1.02 g/mL) Inoculant + Extender (carbohydrates and amino acid mixture)

**NET CONTENTS:** 1 - 355 fl oz (10.5 L) bladder

**NET WEIGHT:** 24 LBS (10.8 KG)



VERDESIAN THE NUTRIENT USE EFFICIENCY PEOPLE™

REV 08/19 C1 GHS  
FFN 4089