



PIONEER

BRAND · PRODUCTS

0014487
2844100

25R40-N341

25R40



(240) 25R40-N341 (10) 2844100

VARIETY: 25R40
LOT: E2GRA11006-00-0034
BATCH: 2844100
MATERIAL: 25R40-N341
TESTED: AUG 2016
NET WT: 50 LB (22.68 KG)

KIND: WHEAT
GERM: 90%
ORIGIN: OH

GRA1

PATENT PROTECTED

See Bag/Tag/Invoice for important terms of purchase and limited license. Limited license is granted solely to produce a single crop of grain for feeding or processing with no rights for unauthorized propagation, seed multiplication and exportations is prohibited.

Noxious Weed Seed Per Pound: None Other Crop Seed: 0.10%
Pure Seed: 99.00% Inert Matter: 0.90% Weed Seed: 0.00%



CAUTION — This seed has been treated at manufacturers recommended rates with difenoconazole, mefenoxam, and sedaxane fungicides and imidacloprid insecticide. Excess treated seed may be used for ethanol production only if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used for agronomic practice. Do not use for feed, food, or oil purposes. Store away from feeds and foodstuffs. KEEP OUT OF THE REACH OF CHILDREN AND ANIMALS.

HAZARD COMMUNICATION DATA
CAUTION — TREATED SEED

Safety and Health: Corrosive. Causes irreversible eye damage. Wear long-sleeved shirt, long pants, shoes and socks, protective eyewear and chemical resistant gloves when handling treated seeds. Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact skin or clothing. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. For more information, call Pioneer at 1-800-342-7123. **Restricted Entry Interval (REI):** Do not enter or allow worker entry into treated areas during the REI of 48 hours. Exception: If the seed is treated with the product and the treated seed is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated. **Environmental Hazards:** This product is toxic to fish and highly toxic to birds and aquatic invertebrates. For terrestrial uses. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate. If treated seed is spilled outdoors or in areas accessible to birds, promptly clean up or bury to prevent ingestion. Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading. Dispose of all excess treated seed. Dispose of seed packaging in accordance with local requirements. **Ground Water Advisory:** This chemical is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Restrictions: Green wheat or triticale forage may not be grazed or fed to livestock until 55 days after planting. Do not plant any crop other than those on the Dividend Extreme label within 30 days to fields in which treated seeds were planted. **Vibrance:** In the event of crop failure or harvest of a crop grown from Vibrance treated seed, the field may be replanted immediately to canola, soybean, cereal grains (barley, oat, rye, triticale, and wheat) corn, sorghum, crop group 6C (dried shelled pea and bean subgroup) and crop group 20A (rapeseed subgroup). All other crops may be planted no less than 30 days after planting treated seeds. Do not plant any crop other than corn, cereals, canola, soybeans, dry beans, dry peas, chickpeas and lentils, within 365 days to fields in which seed treated with Vibrance were planted. The maximum number of applications per season is 2. **Imidacloprid restriction:** Treated areas may be replanted with any crop specified on imidacloprid label, or any crop for which a tolerance exists for imidacloprid, as soon as practical following the last application. Areas planted with treated seed may be replanted immediately with artichoke, barley, Brassica (cole) leafy vegetables, borage, bulb vegetables, canola, cilantro, corn (field), corn (pop), corn (sweet), cotton, cranberry, crambé, cucurbits, eggplant, flax, ground cherry, leaf petiole vegetables, leafy vegetables, legume vegetables (succulent or dried, including soybean), millet, mustard seed, oats, okra, pepinos, pepper, potato, rapeseed, rye, safflower, sorghum, soybean, strawberry, sugarbeet, sunflower, tomatillo, tomato, triticale, root and tuber vegetables, watercress, wheat. These areas may also be replanted after 30 days with cereals, including buckwheat, rice. Do not plant any other crop in the treated area for at least one year after treated seeds are planted.

7/2014

Pioneer is a member of Excellence Through Stewardship® (ETS). Pioneer products are commercialized in accordance with ETS Product Launch Stewardship Guidance and in compliance with the Pioneer policies regarding stewardship of those products. Crops and materials containing biotech traits may only be exported to or used, processed, or sold in jurisdictions where all necessary regulatory approvals have been granted for those crops and materials. It is a violation of national and international laws to move materials containing biotech traits across borders into jurisdictions where their import is not permitted. Growers should discuss these issues with their purchaser or grain handler to confirm the purchaser or handler's position on products being purchased. Excellence Through Stewardship® is a registered trademark of the Biotechnology Industry Organization.

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2016 Biodiversity Wheat planting Calibration

Wheat variety 25R40

12,500 seeds/lb 90% Germ

Target population 2,000,000 seeds/A

$$2,000,000 \div 12,500 \text{ s/lb} = 160 \text{ lbs/A}$$

~~90% germ~~
~~160 lbs/A~~ ~~to make 100% germ~~

JD 1590 NT Drill 15' wide 24 seed tubes

Calibration stretch 100'

- $100' \times 15' = 1500 \text{ ft}^2 \rightarrow 1500 \text{ ft}^2 \div 43560 \text{ ft}^2/\text{A} = .0344 \text{ A}$

- $.0344 \text{ A} \div 24 \text{ seed tubes} = .00143 \text{ A covered by 1 tube}$
in 100 ft of travel

- target $178 \text{ lbs/A} \times .00143 \text{ A} = .255 \text{ lbs}$ in 100 ft in 1 tube

- $.255 \times 454 \text{ g/lb} = 115.77 \text{ grams}$

Target Grams from 1 tube in 100' = 116 grams.

Target = 116 grams

Drill setting	Test #	Bag 1	Bag 2	Bag 3
50	1	129.12	132.47	133.58
47	2	136.83	131.42	136.17
40	3	120.12	118.90	118.80
Aug	$119.27 \rightarrow \div 454 = .263 \text{ lbs} / .00143 \text{ A}$ $.263 \text{ lbs} / .00143 \text{ A} = 183.7 \text{ lbs/A}$ 183.7 lbs/A $183.7 \times 12,500 \text{ seeds/lb} = 2,296,472 \text{ seeds/A}$ 2,296,472 seeds/A $= 2,066,825 \text{ seeds/A}$ 51.5 lbs high/A then target			

- 5 treatments 4 Replications
- $100' \times 30' = 3000 \text{ sq ft} \div 43560 = .0688705$
- $.0688705 \times 20 = 1.377 \text{ A.}$

$$1.5 \text{ A} \times 184 = 276$$

Add 300 lbs seed to drill

planted 1.5 A

seed left 56 lbs

- $300 - 56 = 244 \text{ lbs } ~~\text{seed}~~$

$$244 \text{ lbs} \div 1.5 = 162.66 \text{ lbs/A}$$

$$162.66 \times 12,500 \text{ seeds/lb} = 2,033,333.2 \text{ seed/A}$$