Sunflower Variety Description Summary Page

General Varietal Information

Variety Name: 7PQAN55R | Experimental Designation: N/A | Date Recommended for Certification: 5/6/26

1. Origin & Breeding History

7PQAN55R is a linoleic oil type, Tribenuron-methyl tolerant restorer line developed by Pioneer Hi-Bred International that derives from the backcross 7PEJT32R*4/7PTBT61R; all are Pioneer proprietary lines. 7PTBT61R is the Tribenuron-methyl tolerant donor line. Selections were made for herbicides tolerant profile, shorter plant stature and recurrent parent traits.

The pedigree method was used in the development of 7PQAN55R. It is a bulk of BC3F3 seed tracing back to a single BC3F2 selection. It is homozygous for dominant fertility restoration of the CMS PET 1 cytoplasm.

2. Areas of Probable Adaptation

Hybrids utilizing 7PQAN55R have been tested and are adapted to the growing regions of the Northern Plains of the U.S., as well as Central, Eastern, and Western Europe.

3. Objective description of the variety

3.1 Time of Beginning of Flowering	7 - Late	3.16 Pappi Color	1 - Green
3.2 Plant Position of Branching	4 - Predominantly apical	3.17 Ray Floret Color	4 - Orange yellow
3.3 Plant Natural Height	1 - Very short	3.18 Ray Floret Disposition	1- flat
3.4 Leaf Shape of Distal Part	4 - Medium triangular	3.19 Ray Floret Density	5 - Very dense
3.5 Leaf Serration	5 - Medium	3.20 Ray Floret Length	3 - Medium
3.6 Leaf Blistering	5 - Medium	3.21 Disk Flower: Anthocyanin Coloration of Stigma	1 - Absent or very weak
3.7 Leaf Shape of Cross Section	2 - Weakly concave	3.22 Disk Flower Color	2 - Orange
3.8 Leaf: Angle of Lowest Lateral Veins	3 - Obtuse	3.23 Bract Shape	2 - Broad acute
3.9 Leaf Size	3 - Small	3.24 Bract Length of Tip	3 - Medium
3.10 Leaf Color	5- Very dark	3.25 Bract Attitude in Relation to Head	2 - Slightly adpressed
3.11 Head Attitude	2 - Inclined	3.26 Hypocotyl Anthocyanin	1- Absent or very weak
3.12 Head Size	4 - small to medium	3.27 Seed Outer Pericarp Color	9 - Black
3.13 Head Shape of Seed Side	3 - Flat	3.28 Seed Shape	2 - Narrow ovoid
3.14 Disk Flower Pollen Presence	9 - Present	3.29 Seed Thickness	4 - Thick
3.15 Pollen Color	2 - Yellow	3.30 Seed Size	5 - medium

3.31 Seed Stripe Appearance:

On margin 3 - Strongly Expressed | Between margin 3 - Strongly Expressed | Color of stripes 3 - Grey

4. Disease & Insect Resistance & Herbicide Tolerance

This variety claims tolerance to Tribenuron-methyl and claims no resistance to the common sunflower diseases and insect pests.

5. Phenotypic Variants

None

6. Procedures for Maintaining Seed Stock

Pioneer Hi-Bred International will be responsible for the maintenance of all seed stocks. Foundation seed will be produced in open pollinated field increases in isolation as prescribed by the state where the seed is grown. A maximum of two generations beyond breeder seed will be allowed. Breeder seed will originate from cage isolations or, on occasion, from controlled bagging in nursery rows.

7. Certified Seed Availability & Publication of Certified Seed Production

When will certified seed first be offered for sale? 2026

Can Certified seed acreage be published by AOSCA and certifying agencies? No

8. PVP Information

Will PVP be applied for? Undecided

Should seed only be sold by variety name and be certified (Title V)? Not Applicable

Can AOSCA proide descriptive information to the PVP database? No