Sunflower

Variety Name: 7PVGW94B
Experimental Designation: N/A
Recommended: April 2025

1. Origin & Breeding History: 7PVGW94B is a linoleic type maintainer line tolerant to Tribenuron-methyl developed by Pioneer Hi-Bred International that derives from the cross 7PNDM22B/7PZEK38B; all are Pioneer proprietary lines. 7PNDM22B is the Tribenuron-methyl donor. Selections were made for tolerance herbicide, earlier flowering and high yield, as assessed in hybrid combination.

   The pedigree method was used in the development of 7PVGW94B. It is a bulk of F3 seed tracing back to a single F2 selection. The sterile analog derives from the CMS PET1 cytoplasm following 2 generations of backcrossing. It is homozygous dominant for single heads.

2. Areas of Probably Adaptation: Hybrids utilizing 7PVGW94B have been tested and are adapted to the growing regions of the Northern Plains of the U.S. and Central, Eastern, and Western Europe.

3.1	Flowering	Medium 5			
3.2	Height (relatively short, medium or tall?):	Medium 5			
3.3	Branching Type:	Select One			
3.4	Distal Leaf Shape:	Broad Triangular to Rounded 7	3.14 Leaf Serration:	Coarse 7	
3.5	Leaf Attitude:	High 7	3.15 Leaf Blistering:	Strong 7	
3.6	Leaf Color:	Dark Green 7	3.16 Ray Flower Color:	Medium Yellow 3	
3.7	Ray Flowers:	Sparse 3, Broad Ovate 3, Flat 1, Medium 5	3.17 Stigma Anthocyanin:	Absent 1	
			3.18 Pappi Color:	Green 1	
3.8	Disk Flower Color:	Orange 2	3.19 Head (neck) Attitude at:	Half-turned down with straight stem 4	
3.9	Pollen Color:	Yellow 2	3.20 Seed Shape:	Ovoid Wide 3	
3.10	Shape of grain side:	Flat 3	3.21 Seed Thickness:	Thick 7	
3.11	Seed Outer Pericarp Color:	Black 7	3.22 Hypocotyl Anthocyanin:	Absent 1, Select One	
3.12	Stripe Appearance:	On margin: Strongly expressed, between margin: Strongly Expressed, Color of Stripes: Grey 2			

3.13 State expected variants or other varietal information not described above (if none, state “none”). None

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. 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.

6. Certified Seed Availability & Publication of Certified Seed Production. 2025. Please do not publish certified seed production acreage.

7. PVP Information. This variety will not be submitted for protection under the Plant Variety Protection Act. AOSCA might not provide descriptive information.