Sunflower

Variety Name: 7PUVN84R
Experimental Designation: G1R190C
Recommended: April 2025

1. Origin & Breeding History: 7PUVN84R is a linoleic oilseed and imidazolinone tolerant line developed by Pioneer Hi-Bred International, which was obtained from the cross between 7PKVL42R and 7PAAJ14R. 7PKVL42R is Pioneer Overseas Corporation proprietary lines and 7PAAJ14R is PANNAR SEMILLAS S.R.L. proprietary lines. It has homozygous resistance to imidazolinone.

   7PUVN84R was obtained by the single cross between 7PKVL42R (Restorer line) and 7PAAJ14R (Restorer line). For the selection process of the line was used the pedigree method. The crossing of the parents was generated and through successive self-fertilizations and selection by pedigree method, a bulk of F7 seed was generated from an individual selection in the F6 generation. The F7 generation was considered the stabilized line to start the increases.
   7PUVN84R is a Restorer, linoleic, imidazolinone-tolerant line. The selection was made to achieve tolerance to herbicides of the imidazolinone group, high oil content, medium-sized plant structure, intermediate flowering and grain yield.

2. Areas of Probably Adaptation: Hybrids utilizing 7PUVN84R have been tested and are adapted to the growing regions of the North, Central and South of Argentina.

3.1	Flowering	Late 7			
3.2	Height (relatively short, medium or tall?):	Short 3			
3.3	Branching Type:	Predominantly Apical 4			
3.4	Distal Leaf Shape:	Broad Triangular 5	3.14 Leaf Serration:	Medium 5	
3.5	Leaf Attitude:	Medium 5	3.15 Leaf Blistering:	Medium 5	
3.6	Leaf Color:	Medium Green 5	3.16 Ray Flower Color:	Orange Yellow 4	
3.7	Ray Flowers:	Medium 5, 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:	turned down with straight stem 6	
3.9	Pollen Color:	Yellow 2	3.20 Seed Shape:	Ovoid Elongated 2	
3.10	Shape of grain side:	Weakly Convex 4	3.21 Seed Thickness:	Medium 5	
3.11	Seed Outer Pericarp Color:	Medium Brown 5	3.22 Hypocotyl Anthocyanin:	Present 9, Weak 3	
3.12	Stripe Appearance:	On margin: None or very weakly expressed 1, between margin: Strongly Expressed, Color of Stripes: Brown 3			

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

4. Disease & Insect Resistance & Herbicide Tolerance. Imidazolinone tolerance.

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. Only first generation seed (F1) will be allowed. Seed will originate from cage isolations or, on occasion, from controlled bagging in nursery rows

6. Certified Seed Availability & Publication of Certified Seed Production. 2026. Please do not publish certified seed production acreage.

7. PVP Information. AOSCA may provide descriptive information to the PVP database. Application for protection under the Plant Variety Protection Act will not be made.