Wheat
Variety Name: NS18VX621305
Experimental Designation: N/A
Varietal Type: Pure Line
Variety Owner/Developer: Grow Pro Genetics, LLC

1. Provide a brief summary statement of the selection criteria and breeding procedures.
   NS18VX621305 was selected for early heading and maturity. Selection was also based on grain yield, test weight, agronomics, and disease resistance.

2. Provide a statement regarding the probable area of adaptation.
   NS18VX621305 is adapted to the mid-atlantic, north east and lower midwest growing regions of the soft red winter wheat geography.
3. Provide a statement relative to the variety's disease and insect resistance. (If there are no claims to be made about disease and/or insect resistance, enter "No claims are made about pest resistance.").
   NS18VX621305 has moderate resistance to powdery mildew, stripe rust and leaf rust diseases.

4. **Variety Objective Description –** Select one from each of the drop-down menus.

4.1 Kind: Common If Common: Soft Red	4.14 Awn Type: Awned
4.2 Seasonal Growth Habit: Winter	4.15 Awn Color: White
4.3 Coleoptile Color: Red	4.16 Glume Color: White
4.4 Juvenile Growth Habit: Semi-Erect	4.17 Glume Length: Medium
4.5 Leaf Color at Boot: Green	4.18 Shoulder Shape: Oblique
4.6 Flag Leaf Orientation: Erect Type: Twisted Glaucosity: Waxy	4.19 Shoulder Width: Medium
4.7 Auricle Color: Purple	4.20 Beak Shape: Acuminate
4.8 Anther Color: Yellow	4.21 Beak Length: Medium
4.9 Stem Anthocyanin: Present	4.22 Glume Pubescence: Absent (glabrous)
4.10 Stem Internodes: Solid	4.23 Seed Color: Red
4.11 Spike Shape: Tapering	4.24 Seed Shape: Ovate
4.12 Spike Density: Dense	4.25 Cheeks: Rounded
4.13 Spike Curvature: Inclined	4.26 Brush Size: Medium
4.27 Physiological/Biochemical Traits:	
4.28 Variants and Frequency: Up to 1% total variant plants may be encountered in succeeding generations, including tall and awned plants.	

5. Select the classes of certified seed that will be recognized (select all applicable).
Breeder ☒ Foundation ☒ Registered ☒ Certified ☒

6. Provide a statement identifying the party responsible for maintaining the variety and procedures for maintaining seed stocks, with limitations, if any. Grow Pro Genetics LLC will maintain the variety at the breeder seed level to produce breeder seed as needed. NS18VX621305 will be eligible but not limited to classification as Foundation, Registered, Certified or Quality Assured certification. NS18VX621305 will be eligible for Grow Pro Gentics Production Assurance System. Royalty fees are anticipated.

7. If applicable, state whether the variety may be subject to collection of royalties by certifying agencies.

8. If applicable, state whether specific tests for trait verification (e.g., molecular marker testing or herbicide trait bioassay testing) are required for seed certification. The use of the Additional Certification Requirements is suggested.

9. Will an application be made for protection under the Plant Variety Protection Act?
No

10. Will the PVP application include the Certification Option requiring seed to be sold only as a class of certified seed by variety name only (Title V)? No

11. Will the variety be protected by utility or plant patents? Yes

12. Will variety be marketed under a Limited Use License Agreement prohibiting the use of saved seed or other restrictions? Yes

Please Specify:

13. The anticipated date certified seed will be first offered for sale: 2024

14. Certified seed production acreage may be published by AOSCA and individual certifying agencies.
No