

1 REGISTRATION OF 'DAWS' WHEAT<sup>1/</sup>

2 (Reg. No. )

3 C.J. Peterson, Jr., O.A. Vogel, D.W. George, G.L. Rubenthaler and

4 R.E. Allan<sup>2/</sup>

5 'Daws' wheat, Triticum aestivum L. em. Thell., CI 17419, is a  
6 semidwarf soft white common winter wheat cultivar developed cooperative-  
7 ly by the Agricultural Research Service, U.S. Department of Agriculture  
8 and Washington State Agricultural Research Center. Daws was released  
9 jointly by the Agricultural Experiment Stations of Washington, Oregon,  
10 and Idaho and the Agricultural Research Service in 1976.

11 Daws was selected in the F4 generation from the cross 'CI 14484'//  
12 'CI 13645'/'PI 178383' made at Pullman, Washington in 1967. It has a  
13 bearded, lax spike with long, midwide, white glumes. The kernels are  
14 elliptical, white, soft and midlong, with a shallow crease. The germ

15 \_\_\_\_\_  
16 <sup>1/</sup> Cooperative investigations of the Agricultural Research Service, U.S.  
17 Department of Agriculture, and Washington State Agricultural Research  
18 Center, Pullman, WA 99163. Registered by the Crop Science Society of  
19 America. Information Paper, College of Agriculture, Washington State  
20 University, Pullman, WA 99163. Received February, 1976.

21 <sup>2/</sup> Research Agronomist, Agricultural Research Service, U.S. Department  
22 of Agriculture; Research Agronomist (retired), Agricultural Research  
23 Service, U.S. Department of Agriculture; Research Agronomist, Agri-  
24 cultural Research Service, U.S. Department of Agriculture; Cereal  
25 Chemist, Agricultural Research Service, U.S. Department of Agriculture;  
26 and Research Geneticist, Agricultural Research Service, U.S. Department  
27 of Agriculture.

1 is midsize. Daws is considerably more winterhardy than 'Nugaines'  
2 (CI 13968), but not as hardy as 'Wanser' (CI 13844). It emerges  
3 slower than Nugaines.

4 Daws (CI 17419, WA 6099, VH 71349) was evaluated in the observa-  
5 tion and performance nurseries of Washington from 1971 to 1975. It  
6 was included in the Western Regional Soft White Winter Wheat Nursery  
7 in 1974 and 1975. Grain yields of Daws have equalled or exceeded those  
8 of Nugaines. The test weight of Daws is generally one pound less than  
9 that of Nugaines. Daws is resistant to local races of stripe rust and  
10 common bunt. It is susceptible to dwarf bunt, flag smut, leaf and stem  
11 rust and Cercospora foot rot. The milling characteristics of Daws  
12 are similar to those of Nugaines. Daws produces an excellent pastry-  
13 type flour.

14 Daws is adapted to the wheat-growing areas of Northern Idaho,  
15 Eastern Oregon and Eastern Washington. Breeder and Foundation seed  
16 will be maintained by the Washington State Crop Improvement Association  
17 under the supervision of the Agronomy and Soils Department, Washington  
18 Agricultural Research Center and the U.S. Department of Agriculture,  
19 Pullman, Washington 99163.

20

21

22

23

24

25

26

27