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UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Research Service
Washington, D. C.

and

OCT 9 1984

AGRICULTURAL RESEARCH CENTER
Washington State University
Pullman, Washington

and

IDAHO AGRICULTURAL EXPERIMENT STATION
University of Idaho
Moscow, Idaho

RELEASE OF ALASKA 81 DRY PEA

The Agricultural Research Service of the United States Department of Agriculture, the Washington Agricultural Research Center, and the Idaho Agricultural Experiment Station agree to release a new dry pea cultivar to certified seed growers. 'Alaska 81', known as PS810034, was developed by the Agricultural Research Service, U. S. Department of Agriculture in cooperation with the Agricultural Research Center of Washington State University. Alaska 81 is an F₂ derived line from the fourth backcross of 'Campbells Scotch' with Wis 7105 that is immune to pea seedborne mosaic virus. Campbells Scotch, the recurrent parent, is an early flowering (9th node), smooth green-seeded cultivar used extensively for dry pea production in eastern Washington and northern Idaho. Wis 7105 was developed by the Wisconsin Agricultural Experiment Station.

Alaska 81 was increased and tested as PS810034 in eastern Washington and northern Idaho beginning in 1981 and in Pacific Northwest Regional Nurseries beginning in 1983. When compared with Alaska, Alaska 81 is higher yielding (33%), flowers in about the same node (10th), and is about the same height (72 cm). One hundred seeds have averaged 20.2 grams for Alaska 81 compared to 17.2 grams for Alaska.

Besides immunity to pea seedborne mosaic virus, Alaska 81 is resistant to Fusarium wilt race 1 and tolerant to pea root rot.

Alaska 81 is resistant to seed bleaching and has excellent canning qualities after rehydration as determined by canning tests conducted by Dr. Steve Drake at Prosser, Washington.

Breeder seed of Alaska 81 will be maintained by the Washington State Crop Improvement Association. Foundation seed will be available from the Washington State Crop Improvement Association, Washington State University, Pullman, Washington 99164.

Release date for publicity purposes shall be effective on the date of final signature of the release notice.