

UNITED STATES DEPARTMENT OF AGRICULTURE  
Agricultural Research Service  
Washington, D.C. 20250

and

AGRICULTURAL RESEARCH CENTER  
Washington State University  
Pullman, Washington 99164

and

IDAHO AGRICULTURAL EXPERIMENT STATION  
University of Idaho  
Moscow, Idaho 83844

and

NORTH DAKOTA AGRICULTURAL EXPERIMENT STATION  
North Dakota State University  
Fargo, ND 58105

and

OREGON AGRICULTURAL EXPERIMENT STATION  
Oregon State University  
Corvallis, OR 97331

#### NOTICE OF RELEASE OF 'SPECTER' DRY PEA

The Agricultural Research Service of the United States Department of Agriculture, the Washington Agricultural Research Center, the Idaho Agricultural Experiment Station, the Oregon Agricultural Experiment Station and the North Dakota Agricultural Experiment Station announce the release and naming of a yellow cotyledon winter feed pea (*Pisum sativum* L.), 'Specter'. Specter was developed by the U.S. Department of Agriculture, Grain Legume Genetics and Physiology Research Unit at Pullman, Washington, in cooperation with the Agricultural Research Center of Washington State University. Specter, selection PS9830F009, originated as an F<sub>6</sub> selection from the cross PI167253/D258-1-3/5/B686-320-0/4/FENN\*3/WIS7105 made by F.J. Muehlbauer in 1992.

Specter was yield tested in eastern Washington, northern Idaho, Montana and Wyoming for a total of thirteen site-years from 1999 through 2004. Specter yielded an average of 2899 kg/ha in the Palouse region of eastern Washington and northern Idaho, the most likely region for production of this cultivar (Table 1). Compared to other entries Specter exceeded the mean of all trials and within the Pacific Northwest exceeded the mean by 7%.

**Specter** flowers at the 24<sup>th</sup> node, reaches 50% bloom approximately 21 days prior to traditional spring sown types and matures earlier than the spring types. It has a long vine plant habit and an average height of 100 cm. It has semi-leafless leaf morphology and due to the long vine plant habit tends to lodge near maturity with an average plant height index of 0.51 (1.00 indicates perfectly erect). Weight of 100 seeds for **Specter** is 13.1 g. **Specter** is resistant to Fusarium wilt race 1 (caused by *Fusarium oxysporum* Schlecht. emend. Synd. and Hans. f. sp. *pisi.*), but lacks resistance to pea enation mosaic virus and powdery mildew (caused by *Erysiphe polygoni* DC).

Breeder seed 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.

Genetic material of this release will be deposited in the National Plant Germplasm System where it will be available for research purposes, including development and commercialization of new varieties/cultivars. The Agricultural Research Service of the United States Department of Agriculture will seek a Plant Variety Protection Certificate for **Specter** winter feed pea.

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

It is requested that appropriate recognition be made if this germplasm contributes to the development of a new breeding line or cultivar.

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Director, Agricultural Research Center  
Washington State University

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Date

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Director, Idaho Agricultural Experiment Station  
University of Idaho

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Date

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Director, North Dakota Agricultural Experiment Station  
North Dakota State University

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Date

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Director, Oregon Agricultural Experiment Station  
Oregon State University

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Date

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Administrator, Agricultural Research Service  
U.S. Department of Agriculture

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Date