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

and

AGRICULTURAL RESEARCH CENTER
Washington State University
Pullman, Washington

and

IDAHO AGRICULTURAL EXPERIMENT STATION
University of Idaho
Moscow, Idaho

NOTICE TO GROWERS RELATIVE TO THE RELEASE OF A COMMERCIAL CULTIVAR OF GREEN LENTIL, EMERALD

The Agricultural Research Service of the United States Department of Agriculture, the Washington Agricultural Research Center, and the Idaho Agricultural Experiment Station announce the release and naming of a large green lentil cultivar, 'Emerald'. Emerald, was originally selected in 1972 by V. E. Wilson from a bulk population of Plant Introduction accessions and tested as selection 504. The line was reselected by F. J. Muehlbauer in 1980 and yield tested by the U. S. Department of Agriculture, Grain Legume Genetics and Physiology Research Unit in cooperation with the Agricultural Research Center of Washington State University at several locations in the Palouse region each year from 1982 to 1985.

Emerald was entered in western regional food legume trials in 1982 and 1984. When compared to Chilean 78, the most commonly grown cultivar in the region, Emerald was 10% higher yielding when all trials over the four year period are considered. Emerald has more uniform seeds with green seed coats and distinctive bright green cotyledons. These seed quality traits are distinguishing features of the cultivar that should appeal to certain specialty markets in the U.S. and internationally. Seeds are slightly larger than Chilean 78 and have averaged 5.6 grams per 100 seeds for Emerald compared to 5.3 grams for Chilean 78.

Breeder seed of Emerald 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.