

Description of RedKanner LRK Bean (NY 10195)

Adapted from Information Prepared by:

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RedKanner, a light red kidney bean, is distinguished by the following characteristics: Canning quality is superior to other presently available light red kidney bean varieties, as shown across eight years of canning trials; and RedKanner's yields have been 10 to 15% higher than other light red kidney bean varieties in New York trials.

RedKanner's growth habit is determinate, and matures in 105 to 110 days, similar to California Light Red Kidney. Its main stem and branches are only moderately erect. Many plants may have one to several long pods that contain eight seeds, with most pods having a potential seven seeds. Occasionally, there may be a pod with nine seeds. RedKanner has six to eight nodes on its main stem, with fewer nodes on its branches. After flowering, the leaves become large, like those of other late maturing red kidney bean varieties. The leaves tend to be larger than those of the earlier maturing red kidney varieties.

The flowers of RedKanner are white. Usually there are zero, and less frequently one or two flowers at the apex of its main stem. Generally, the first-open flower is at the apex of one of the determinate branches. This contrasts with the cluster of first flowers that occurs at the apex of the main stem of the early maturing varieties (such as Redcloud, Ruddy and California Early Light Red Kidney). RedKanner is photoperiod sensitive. Its flowering is delayed by long daylength. This delay will be extended under high temperatures. Under daylength shorter than 12 hours, RedKanner flowers in the same number of days as the early varieties. Also, under short daylength, RedKanner will have the cluster of flowers at the apex of its main stem, similar to early varieties under any daylength. Observation of first flower on RedKanner will occur between 40 and 60 days, while first flowers on the early varieties are observed at 35 to 40 days. After flowering, the branches on RedKanner grow taller with more nodes, which results in plants becoming both taller and larger than those of the earlier varieties.

RedKanner :

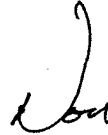
This Light Red Kidney variety was developed by Dr. Donald H. Wallace, Professor Emeritus in Cornell's Plant Breeding Department, was tested as NY 10195, and subsequently released as RedKanner. The only authorized producer of Foundation Seed of RedKanner at this time is the New York Seed Improvement Project, and our production is restricted to Idaho Seed Bean Company, Twin Falls, Idaho. The first Foundation Seed crop was produced in 1997, and Foundation Seed sales will be restricted to New York companies until sufficient supplies are available to meet their needs.

RedKanner will be protected with the Title V Option, and does not have a Registered Class. Certified Seed production will be restricted to Licensed producers, and RedKanner will have a Research Assessment of \$2.00 per cwt. on the Certified Class only. Each Foundation Seed purchaser will sign a Licensing Agreement, and we will keep you informed as to the name and location of any producers of RedKanner in your state. As we have discussed, we are agreeable to your Agency retaining 10% of the Research Assessment collected as an administration fee.

Enclosed, for your reference is a narrative description of RedKanner and a copy of the Licensing Agreement which we have in place. It is acknowledged that you will require a better description than we are presently providing. I have requested additional information from the developer, and will forward it as soon as it is received.

Thanks for your willingness to participate in this activity. Please let me know if there are any significant omissions.

Sincerely,



Don K. Shardlow
Manager

enc.: Black Knight:
PVP Application
License Agreement

RedKanner:
Narrative Description
License Agreement

Dry Bean Variety Notes -- 1998

BLACK KNIGHT

BLACK KNIGHT, a Black Turtle Soup variety, was developed by Dr. Brian Scully while he was a graduate student at Cornell University. It has been extensively evaluated in New York and Idaho under the numerical designation CU M-90 for seven years, and is being co-released by the Agricultural Experiment Stations in New York, Idaho and Florida (where Dr. Scully is a faculty member). BLACK KNIGHT has an erect growth habit with very short runners. Maturity is a couple of days earlier than MIDNIGHT. It has consistently outyielded MIDNIGHT, and has performed well in the New York Canning Trials. BLACK KNIGHT is resistant to Clover Yellow Vein Virus and strains 1 and 15 of Bean Common Mosaic Virus.

BLACK KNIGHT does not have a Registered Class. US Plant Variety Protection with the Title V Option will be sought by the University of Idaho, specifying that BLACK KNIGHT may only be sold by variety name as a class of Certified Seed. The University of Idaho will establish a Royalty on the Certified Class, which will be shared equally with the research programs at the releasing Experiment Stations.

We have begun a seed increase in Idaho, and Foundation Seed is available for distribution in 1998.

RedKanner = No - Kathy

A Light Red Kidney Line developed by Dr. Donald Wallace at Cornell University. RedKanner (NY 10195) has been evaluated in New York trials for eight years. It has a moderately upright bush-type plant, with yields 7% higher than RUDDY. RedKanner has been an excellent canner. The principal criticism of this line has been its maturity, which is about 18 days later than RUDDY and 10 days earlier than CALIFORNIA LRK, the old industry standard.

Dr. Wallace has specified that RedKanner will not have a Registered Class. US Plant Variety protection will be sought with the Title V Option, specifying that this variety may not be sold by variety name except as a Class of Certified Seed. The first Foundation Seed was produced in Idaho in 1997. Foundation Seed production of RedKanner in 1998 will depend entirely on the level of orders received from New York Seed Producers. RedKanner will not be offered to out-of-state seedsmen until New York interest in this line has been satisfied. A Royalty will be assessed on all sales of RedKanner to support continued Dry Bean variety development at Cornell University.