

## EXHIBIT B

### Statement of Distinctions for the Light Red Kidney Bean Variety Wallace compared to California Early Light Red Kidney.

'Wallace' is most similar to California Early Light Red Kidney ('CELRK') but 'Wallace' is different from 'CELRK' in the following characteristics.

**Blossom color:** 'Wallace' is most similar to 'CELRK'; however, 'Wallace' differs from 'CELRK' in blossom color in that 'Wallace' has a white blossom color, while 'CELRK' has a light lavender blossom color.

**Canning quality:** 'Wallace' is most similar to 'CELRK'; however, 'Wallace' differs from 'CELRK' in canning quality in that 'Wallace' has a greater canning quality rating (size is 1.47, color is 1.45 and appearance is 1.19), while 'CELRK' has a lower canning quality rating (size is 1.56, color is 1.44 and appearance is 0.95).

**Seed yield:** 'Wallace' is most similar to 'CELRK'; however, 'Wallace' differs from 'CELRK' in that 'Wallace' has a higher seed yield (range of 2150 to 2022) than 'CELRK' (range of 1957 to 1963).

**Seed Size:** 'Wallace' is most similar to 'CELRK'; however, 'Wallace' differs from 'CELRK' in that 'Wallace' has more seeds per pound (range is 1153 to 1193) than 'CELRK' (846 to 946).

**Plant Height:** 'Wallace' is most similar to 'CELRK'; however, 'Wallace' differs from 'CELRK' in plant height in that 'Wallace' has taller plants (range is 43 cm to 45 cm) than 'CELRK' (range is 41 cm to 42 cm)

**Days to flowering:** 'Wallace' is most similar to 'CELRK'; however, 'Wallace' differs from 'CELRK' in that 'Wallace' flowers later (range of 41 to 45 days from planting to 50% of plants with one open flower) than 'CELRK' (range of 40 to 41 days from planting to 50% of plants with one open flower).

**Days to maturity:** 'Wallace' is most similar to 'CELRK'; however, 'Wallace' differs from 'CELRK' in that 'Wallace' reaches physiological maturity later (range of 90 to 91 days from planting to 50% of plant that have one dry pod) than 'CELRK' (range of 87 to 89 days from planting to 50% of plant that have one dry pod).

7. SEED COLOR:

1 = Shiny    2 = Dull    3 = Semishiny    4 = Variable     1 = Monochrome    2 = Polychrome


Primary Color: 1 = White    2 = Yellow    3 = Buff    4 = Tan      Secondary Color: 1 = White    2 = Yellow    3 = Buff    4 = Tan  
5 = Brown    6 = Pink    7 = Red    8 = Purple    5 = Brown    6 = Pink    7 = Red    8 = Purple  
9 = Blue    10 = Black    11 = Other    9 = Blue    10 = Black    11 = Other

Color Pattern: 1 = Solid    2 = Splashed    3 = Mottled     Hilar Ring: 1 = Absent    2 = Present  
4 = Striped    5 = Flecked    6 = Dotted

Hilar Ring Color: 1 = White    2 = Yellow    3 = Buff    4 = Tan    5 = Brown    6 = Pink    7 = Red  
8 = Purple    9 = Blue    10 = Black    11 = Other Absent

8. SEED SHAPE AND WEIGHT:

Shape of Seed Taken From Middle of Pod:    1 = Round    2 = Oval    3 = Cuboid    4 = Kidney    5 = Truncate Fastigate



Dry Seed Weight in g/100g Seeds (Adjusted to 12% Moisture)

9. ANTHOCYANIN PIGMENTATION:

1 = Absent    2 = Present

Flowers     Stems     Pods     Seeds  
 Leaves     Petioles     Peduncles     Nodes

10. KNOWN DISEASE REACTION:

DISEASES – COMMON NAME: Anthracnose, Rust, Powdery Mildew, Fusarium Root Rot, Pythium Root Rot, Rhizoctonia Root Rot, Pythium Wilt, Sclerotinia White Mold, angular Leaf Spot, Bacterial Wilt, Halo Blight, Fuscosus Blight, Common Bacterial Blight, Red Node Virus, Pod Mottle Virus, Bean Common Mosaic Virus, Bean Yellow Mosaic Virus, Curly Top Virus, Bacterial Brown Spot, Bean Southern Mosaic Virus, Other (Specify) \_\_\_\_\_

Reaction: 1 = Susceptible    2 = Resistant    3 = Tolerant    4 = Avoidance

(Give the Common Name (CN), Scientific Name (SN), and Race(s), Where Applicable)

Disease: CN White Mold    SN Sclerotinia sclerotiorum    Race(s) \_\_\_\_\_

Disease: CN Bean Rust    SN Uromyces phaseoli typica    Race(s) \_\_\_\_\_

Disease: CN Bean Common Mosaic Virus    SN \_\_\_\_\_    Race(s) \_\_\_\_\_

Disease: CN Common Bacterial Blight    SN Xanthomonas axonopodis pv. phaseoli    Race(s) \_\_\_\_\_

Disease: CN \_\_\_\_\_    SN \_\_\_\_\_    Race(s) \_\_\_\_\_

Disease: CN \_\_\_\_\_    SN \_\_\_\_\_    Race(s) \_\_\_\_\_

11. KNOWN INSECT/NEMATODE RESISTANCE: Not Tested

PESTS – COMMON NAME: Aphids, Bean Pod Weevil, Bruchid Beetle, Corn Earworm, Flea Beetle, Leaf Hopper, Lesion Nematode, Lygus, Mexican Bean Beetle, Root Knot Nematode, Corn Seed Maggot, Spider Mites, Thrips, Weevils, Western Bean Cutworm, Other (Specify) \_\_\_\_\_

Reaction: 1 = Susceptible    2 = Resistant    3 = Tolerant    4 = Avoidance

(Give the Common Name (CN), Scientific Name (SN), and Race(s), Where Applicable)

Pest: CN \_\_\_\_\_    SN \_\_\_\_\_    Race(s) \_\_\_\_\_

Pest: CN \_\_\_\_\_    SN \_\_\_\_\_    Race(s) \_\_\_\_\_

Pest: CN \_\_\_\_\_    SN \_\_\_\_\_    Race(s) \_\_\_\_\_

12. KNOWN PHYSIOLOGICAL STRESS REACTION:

1 = Susceptible    2 = Resistant     Heat     Cold     Drought     Air Pollution  
3 = Tolerant    4 = Avoidance

**13. COMMENTS:**

Other morphological, physiological and characteristics include: the stems and branches of 'Wallace' are moderately upright. The plant habit is determinate. The main stem and all branches are terminated with a reproductive inflorescence or with a partially or completely aborted inflorescence. The flowers are white. The main stems of 'Wallace' have 4 to 6 nodes. 'Wallace' pods have averaged 5 seeds per pod in the dry state, although will occasionally have 6 to 7 seeds per pod. 'Wallace' flowers and matures early, has small seed and good canning properties.

#200900281

**TABLE 2 - Comparison of 'Wallace' and 'CELRK' (California Early Light Red Kidney) for yield during 2006 and 2007 in the Cooperative Dry Bean Nursery Trials in North America. Yield is measured in pounds per acre.**

Location	2006		2007	
	'Wallace'	'CELRK'	'Wallace'	'CELRK'
Davis, CA	3070	3314	1563	1417
Fort Collins, CO	662	350	1031	1274
Kimberly, ID	-	-	1229	1174
Parma, ID	1635	2182	-	-
Saginaw, MI	830	950	2390	1880
Park Rapids, MN	2140	1260	1680	1430
Sidney, MO	3090	2960	2250	1680
Scotts Bluff, NE	-	-	2938	3296
Freeville, NY	2308	1998	2605	2659
Elora, ON	1824	2177	1572	1501
Othello, WA	3082	2321	-	-
Lingle, WY	-	-	1642	1603
Powell, WY	2862	2056	3347	3674
<b>Yield Average</b>	<b>2150</b>	<b>1957</b>	<b>2022</b>	<b>1963</b>

**TABLE 3 - Comparison of 'Wallace' and 'CELRK' (California Early Light Red Kidney) for number of seeds per pound during 2006 and 2007 in the Cooperative Dry Bean Nursery Trials in North America.**

Location	2006		2007	
	'Wallace'	'CELRK'	'Wallace'	'CELRK'
Davis, CA	1041	737	-	-
Fort Collins, CO	1376	1081	1301	981
Kimberly, ID	-	-	1227	908
Parma, ID	1261	1107	-	-
Saginaw, MI	1261	952	1041	805
Park Rapids, MN	1227	983	1152	701
Sidney, MO	1182	974	1020	913
Scotts Bluff, NE	-	-	1316	858
Freeville, NY	1195	890	1164	811
Elora, ON	1071	832	1204	883
Othello, WA	1251	1025	-	-
Lingle, WY	-	-	1176	910
Powell, WY	1115	878	927	690
<b>Average</b>	<b>1198</b>	<b>946</b>	<b>1153</b>	<b>846</b>

**TABLE 6 - Comparison of 'Wallace' and 'CELRK' (California Early Light Red Kidney) for days to physiological maturity\*\* during 2006 and 2007 in the Cooperative Dry Bean Nursery Trials in North America.**

Location	2006		2007	
	'Wallace'	'CELRK'	'Wallace'	'CELRK'
Davis, CA	89	79	-	-
Fort Collins, CO	87	87	90	84
Kimberly, ID	-	-	91	88
Parma, ID	88	87	-	-
Saginaw, MI	89	88	88	92
Park Rapids, MN	94	86	90	88
Sidney, MO	-	-	-	-
Scotts Bluff, NE	-	-	92	91
Freeville, NY	81	80	82	82
Elora, ON	99	98	101	93
Othello, WA	93	93	-	-
Lingle, WY	-	-	-	-
Powell, WY	86	84	93	90
<b>Average</b>	<b>90</b>	<b>87</b>	<b>91</b>	<b>89</b>

\*\*Days from planting to 50% of plants have one dry pod.

#### KEY

The following were commonly recorded data by the CDBN collaborators.

Seed Yield	Recorded in pounds per acre at 12% moisture and rounded up to the nearest whole number
Seed Weight	Weight in Seeds per Pound at 12% moisture
Days to Maturity	Actual number of days from planting to when approximately 50% of plants in a plot have at least one dry pod
Plant Height	Recorded in cm from the base of the plant (soil surface) to the top node bearing at least one dry pod with seed
Canning Quality (Based on NY trials only)	Ratings are based on a 0 to 2 scale, where 0 equals very poor and 2 equals very good.