

## **KABULI CHICKPEA: CDC 3662**

**Breeder:** Dr. Bunyamin Tar'an  
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University of Saskatchewan  
Saskatoon, SK.

**Year released to Select Seed Growers:** 2019  
**Sub-licensed outside of SK:** Pending  
**International Distribution Rights:** Not assigned

**Plant Breeders Rights:** Applied

Kabuli chickpea variety 3662 has similar yield and agronomic characteristics as CDC Leader and CDC Orion, however it has the advantage of imazamox herbicide tolerance (Solo® ADV as per PMRA label registration). In the 2018 Chickpea Regional Trial (CPRT), 3662 yielded 100% of the check variety Amit in the Brown soil zone and 96% in the Dark Brown soil zone (Table 1). This variety has similar maturity to CDC Palmer and CDC Orion and similar resistance to Ascochyta blight as CDC Leader. Seed size is smaller than CDC Palmer or CDC Orion. Application for PBR'91 protection for CDC Nimble has been submitted.

### **Strengths:**

- Herbicide tolerance (imazamox)
- High yielding herbicide tolerant Kabuli chickpea

### **Neutral:**

- Similar agronomic and maturity characteristics compared to CDC Palmer and CDC Orion
- Similar disease resistance as CDC Leader

### **Weaknesses:**

- Smaller seed size than CDC Palmer



**Table 1: Agronomic Performance Data Summary from the 2018 Chickpea Regional Trial in Western Canada**

Variety	Area 1 Brown Soil Zone		Area 2 Dark Brown Soil Zone		Height (cm)	Days to Flower	Days to Maturity	Ascochyta Blight (0-9 scale)	Seed Weight (g/1000)	Herbicide Tolerance: SOLO® ADV (imazamox)
	Kg/ha	% Amit	Kg/ha	% Amit						
Amit (check)	2231	100	4064	100	43	50	96	3.9	267	No
CDC Frontier	2229	100	4060	100	39	48	97	4.1	369	No
CDC Luna	2029	91	4225	104	36	48	93	5.0	372	No
CDC Orion	2237	100	4110	101	39	43	95	4.6	433	No
CDC Alma	2060	92	3984	98	36	47	94	5.0	371	Yes
CDC Leader	2151	96	4060	100	38	48	94	4.2	396	No
CDC Palmer	1969	88	3681	91	39	47	95	4.6	411	No
<b>CDC 3662</b>	2237	100	3881	96	40	46	95	4.2	375	Yes

*Number of sites:*                      6                                      2                      5                      6                      6                      4                      4

*Source:* CDC Pulse breeding group, U of S

\* Ascochyta Blight rating: where 0 = no disease; 9 = completely blighted