

## Typical Johanson Indices for Common Materials

Indices basis: D= Bin diameter (10 feet)

d = Hopper outlet Diameter (12 inches)

ö - Hopper angle (20-degrees)

Material	AI	RI	FRI	FDI	BDI	SBI	HI	CI
Baby formula (powder)	0.6	5.5	722	22.4	28.8	1.3	31	34
Baby formula with iron (powder)	0.6	9.1	255	28.1	36.9	2.0	22	63
Boric Acid	0.4	2.5	195	55.8	60.3	1.5	26	40
Brown Sugar	1.8	6.2	4479.3	41.9	57.9	1.1	1.7	66
Caffeine (8 mesh)	0.8	8.1	28	27.7	36.6	0.9	13	90
Cleanser (powder)	0.3	1.3	19	64.7	77.7	0.7	13	50
Cocoa (powder)	1.0	4.1	13.7	23.7	24.8	1.4	13	86
Corn Meal	< 0.2	< 0.3	4122.8	41.7	45.5	1.0	33	23
Dishwashing Detergent (powder)	< 0.2	< 0.3	6017.1	32.7	35.1	2.5	33	25
Granulated Sugar	< 0.2	< 0.3	10033.3	53.2	54.1	0.5	20	36
Grits	< 0.2	< 0.3	8331.5	42	43.9	1.1	30	22
Laundry Detergent (powder)	< 0.2	< 0.9	5098.2	41.8	45.7	0.9	28	46
Non-fat Dry Milk	0.3	2.8	43	37.5	44.8	1.1	19	0
Oat Bran	3.6	35.9	1351.4	29.3	38.63	4.3	29	29
Portland Cement	1.0	5.3	15	72.1	93.7	2.2	15	37
Powdered Sugar	1.3	11.1	15.5	31.6	47.8	1.2	14	88
Salt (iodized)	< 0.2	< 0.3	4122.8	41.7	45.5	1.0	33	23
Seasoning Mix	1.7	13.7	2429.1	41.4	52.7	2.0	32	35
Wheat flour	0.9	3.8	52.5	37.5	50.1	1.5	27	43
Wheat germ	< 0.2	< 0.3	6017.1	32.7	35.1	2.6	33	25

**Disclaimer:** These Indices are for comparative purposes only. All materials were tested at room temperature and humidity conditions using the Johanson Indicizer System. We are not responsible for the direct or indirect use or application of these Indices for any purpose whatsoever. Because materials can vary dramatically from one sample to another, they must be properly tested under actual plant conditions before applying the Indices to equipment design or selection.