Lotus Seed Paste Yield — Method & Record Sheet

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For buyer trials

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1. WHY GRADE MATTERS MORE THAN PRICE PER KILO

Paste yield is the kilos of sieved paste you obtain from one kilo of dry seed. A cheaper grade that yields less paste can cost more per kilo of finished filling. The two variables that move yield most are **size uniformity** (broken and small seeds lose more in soaking and sieving) and **moisture** (over-dry seed absorbs more water but breaks up more in cooking).

2. HOW TO MEASURE IT (BUYER-SIDE PROTOCOL)

1. Weigh 500 g dry seed (record moisture from the COA).
2. Rinse, then soak in 3× water at room temperature for 2 hours.
3. Drain, boil 35–45 minutes until a seed crushes easily between fingers.
4. Drain and cool 10 minutes; mash while warm (food processor, 2 pulses).
5. Pass through a 40-mesh sieve; weigh the paste.
6. Yield = paste weight ÷ dry seed weight. Repeat three times, report the mean.

Run the same protocol on each grade you are considering. Same operator, same day, same water — otherwise the comparison is not valid.

3. TYPICAL RANGES (ILLUSTRATIVE, NOT A GUARANTEE)

Grade	Typical yield	What drives it
Grade 1 whole, ≥12.5 mm	0.62–0.68	Uniform size, fewer broken seeds, stable soak
Grade 2 whole, 11.5–12.5 mm	0.58–0.64	More small grains; slightly higher loss at sieving
Split / open	0.66–0.72	Already opened; shorter cook, less structural loss
Polished white	0.68–0.74	Skin removed, higher paste ratio, shorter process

Ranges reflect common Hunan processing practice for dried seed at ≤12% moisture. Your water hardness, cook time and sieve size will shift the numbers — that is exactly why the protocol above matters. Batch-specific COA and our own trial figures are available on request.

4. WORKED EXAMPLE — 1,000 KG ORDER

Grade 1 (≥12.5 mm)	Value
Dry seed	1,000 kg
Yield (mid-range)	0.65
Paste output	650 kg
Seed cost at USD 9.62/kg FOB	USD 9,620
Cost per kg paste	**USD 14.80**

Grade 2 (11.5–12.5 mm)	Value
Dry seed	1,000 kg
Yield (mid-range)	0.61
Paste output	610 kg
Seed cost at, say, USD 8.90/kg FOB	USD 8,900
Cost per kg paste	**USD 14.59**

Read this carefully: at these assumptions the two grades land within about 1.5% of each other per kilo of paste. The cheaper grade only wins if the yield gap is wider than the price gap — which is why buyers run the protocol rather than negotiate on the seed price alone.

5. YOUR RECORD SHEET

Trial	Grade / lot no.	Dry weight	Moisture (COA)	Cook time	Paste weight	Yield

1						
2						
3						
Mean						

6. WHAT WE WILL SEND WITH YOUR SAMPLE

500 g from the production lot, bag marked with the lot number; COA for that lot (moisture, aflatoxin B1, pesticide residues, SO_2); and our own trial record for the same grade if you ask for it. Freight collect.

This sheet is a method and a set of illustrative ranges, not a specification. Contractual quality is defined by the signed quotation and the batch COA.