

# THE HARVEST WASN'T CLEAN.

*The crop was ready.  
The sorting wasn't.*

*Good food  
deserves  
a better  
process.  
— Aarav*

SAME  
FARMS.  
REAL  
PROBLEMS.  
BETTER  
SOLUTIONS.



OBSERVE



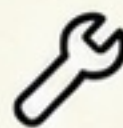
UNDERSTAND



IDEATE



DESIGN



TEST



A BRIGHTER  
TOMORROW

*Cleaner harvests.  
Stronger value.  
Happier farmers.*

# WATCH FIRST

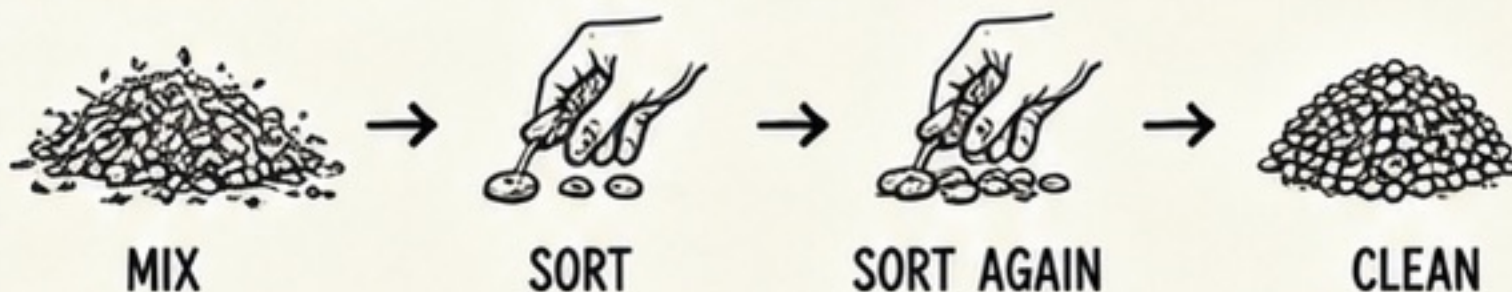
*The harvesting ended.  
The work didn't.*

SAME  
FARMS.  
REAL  
PROBLEMS.  
BETTER  
SOLUTIONS.



**THE SECOND JOB  
STARTED AFTER  
THE FIRST ONE ENDED.**

## THE MANUAL WORKFLOW (TODAY)



# THEN I STOPPED SORTING.

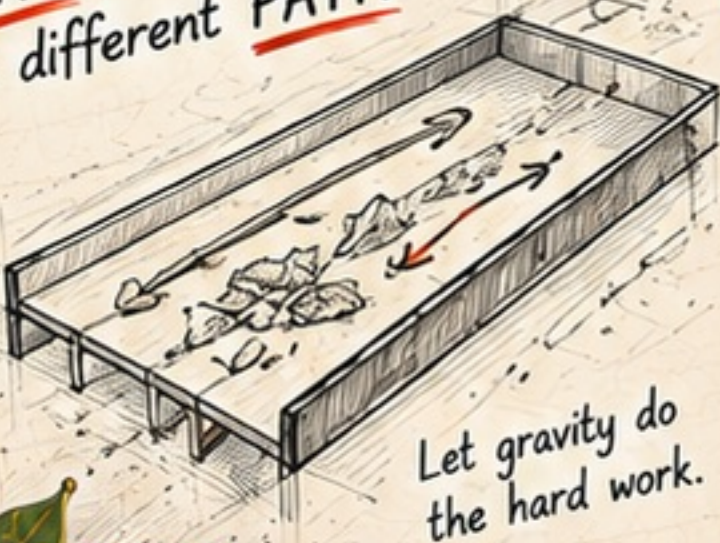
*Different materials already moved differently.*



Same pile.  
Different  
behaviour.  
That's an  
opportunity.  
— Aarav

OBSERVE  
HOW  
NATURE  
SEPARATES.

Maybe I don't need to  
Sort the material.  
Maybe I only need to  
Give each material  
a different Path.



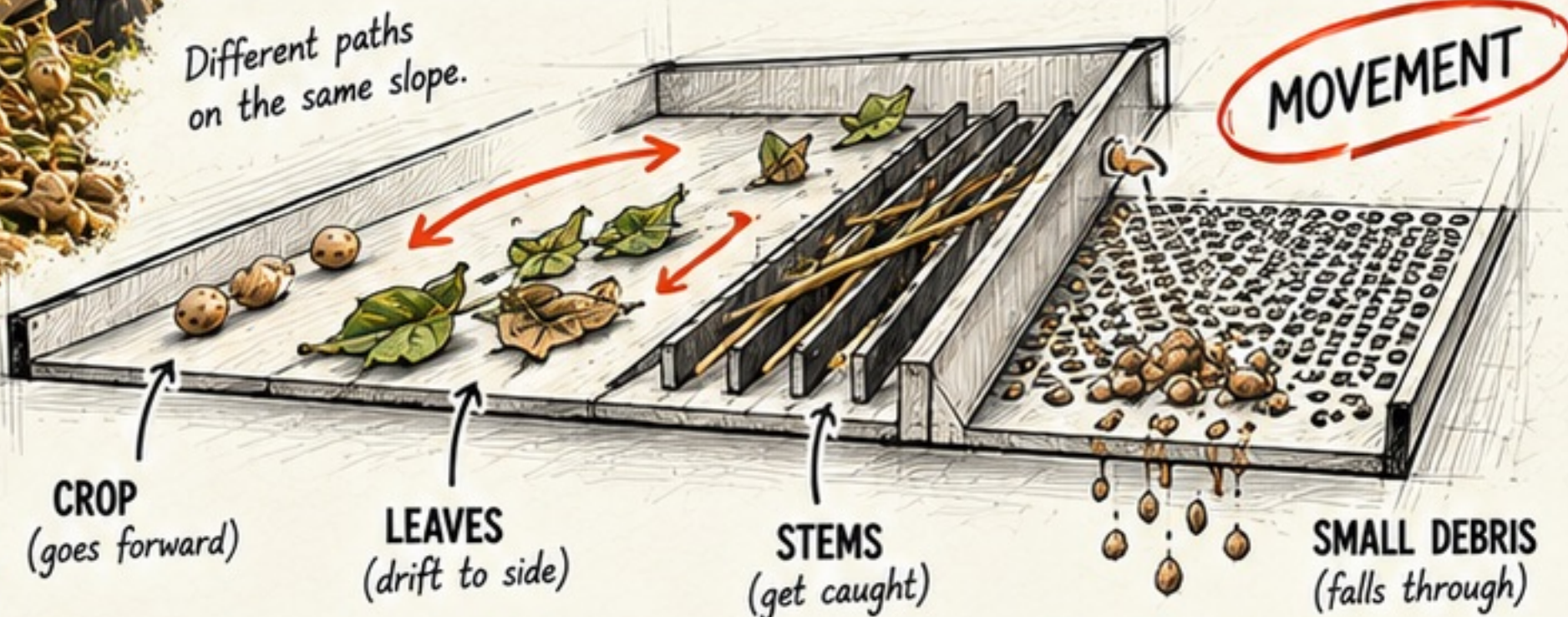
Let gravity  
do the hard work.

01 HEAVIER CROP PIECES  
  
They travel farther.  
  
HEAVY  
→ FORWARD

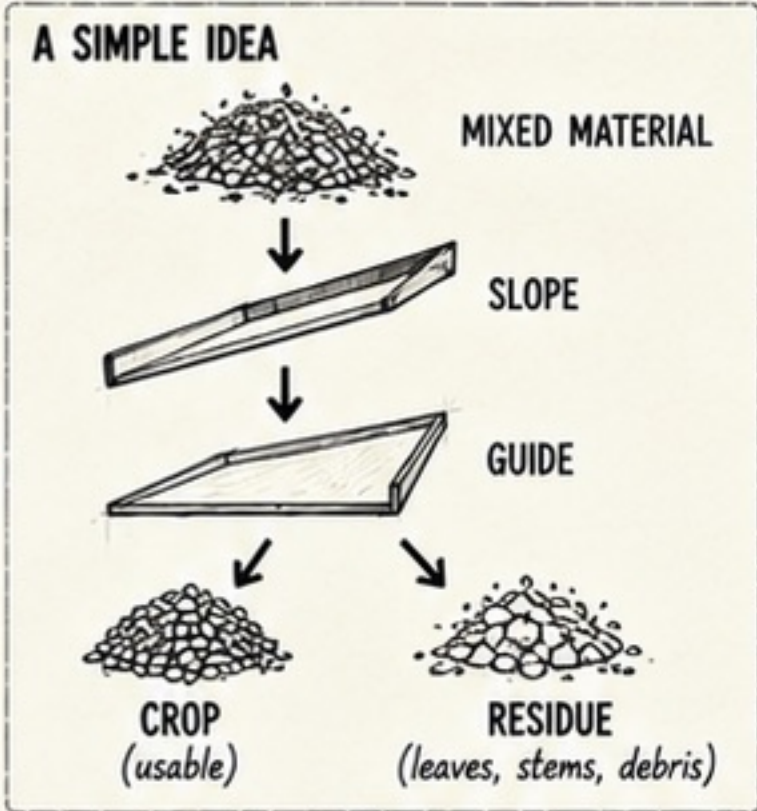
02 LIGHT LEAVES  
  
They slow down or drift sideways.  
  
LIGHT  
→ SIDE

03 LONG STEMS  
  
They catch on things.  
  
LONG  
→ CATCH

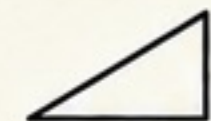
04 SMALL DEBRIS  
  
They fall through gaps.  
  
SMALL  
→ FALL



**DON'T SORT IT  
WITH YOUR HANDS.  
LET THE MATERIAL  
SORT ITSELF.**



DESIGN PRINCIPLE:  
**USE NATURAL DIFFERENCES  
IN MOVEMENT.**



SLOPE  
(uses gravity)



GUIDE  
(controls direction)



GAPS  
(let small fall)



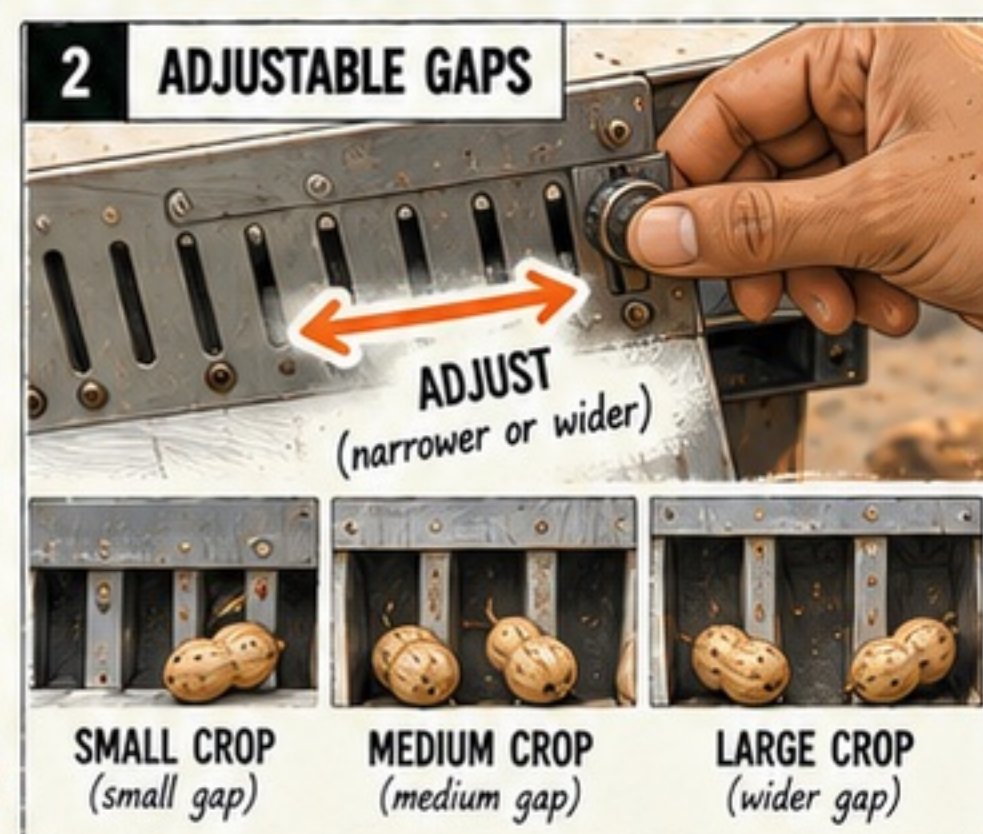
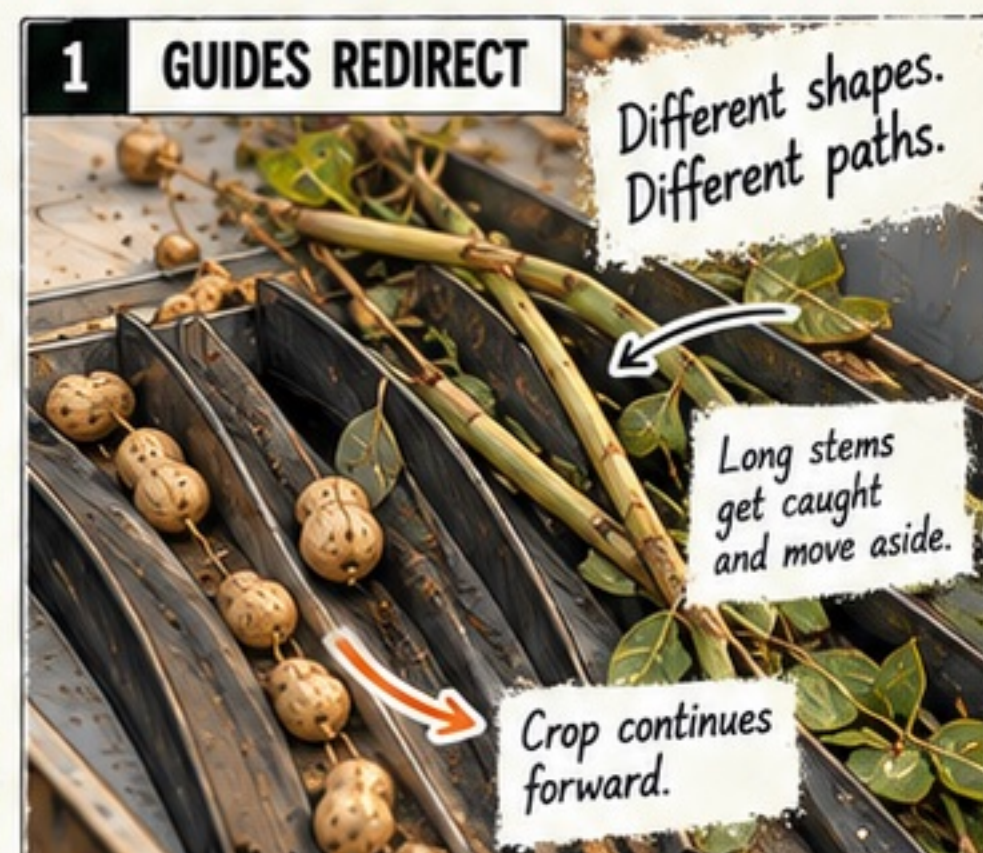
DIFFERENT PATHS  
(for different materials)

# SO I LET THE CROP SORT ITSELF.

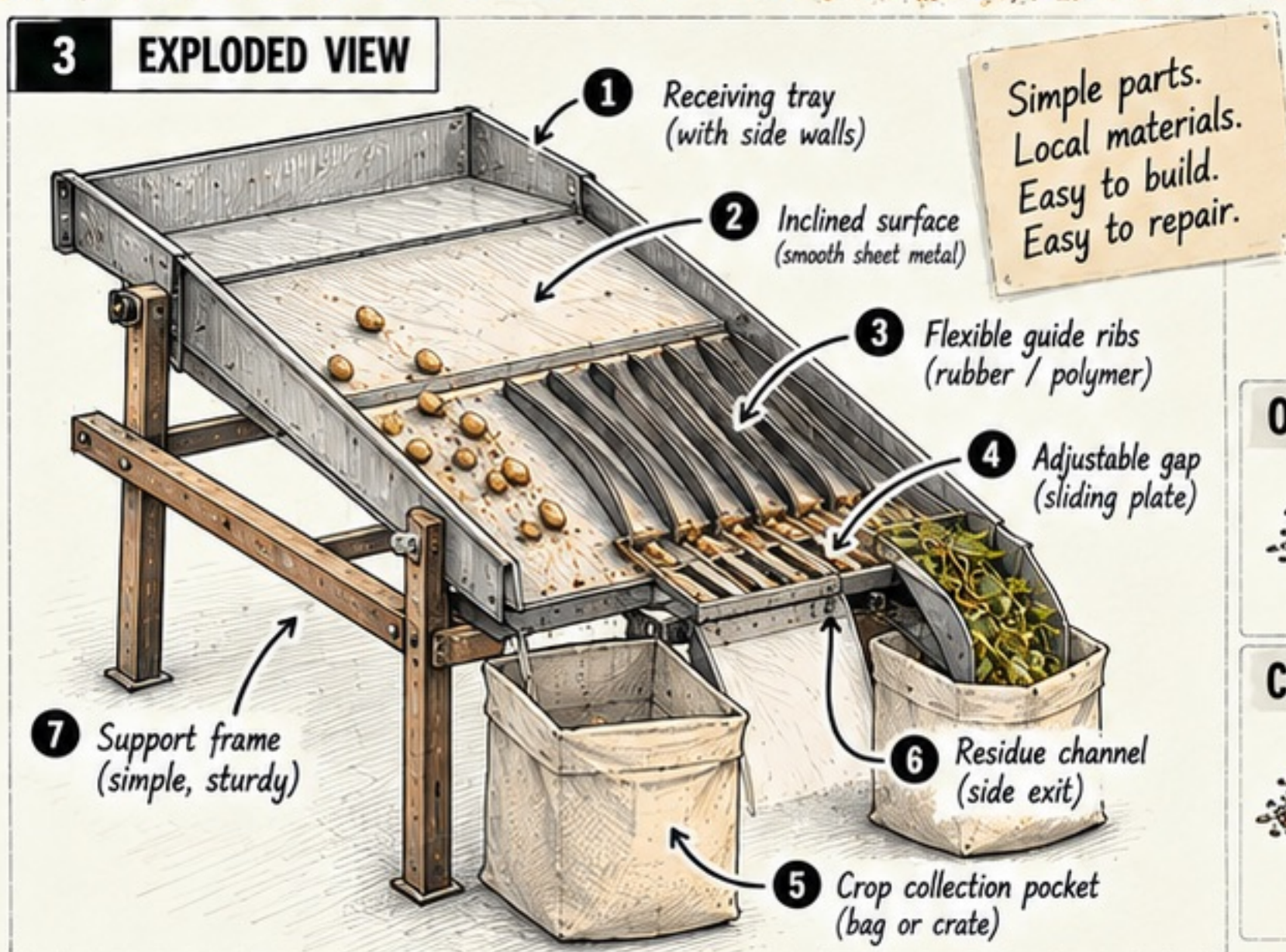
**CROP GATE** — one tray, different paths.

Same principle.  
Simple tool.  
Real impact.  
— Aarav

Let gravity,  
shape and size do the work.

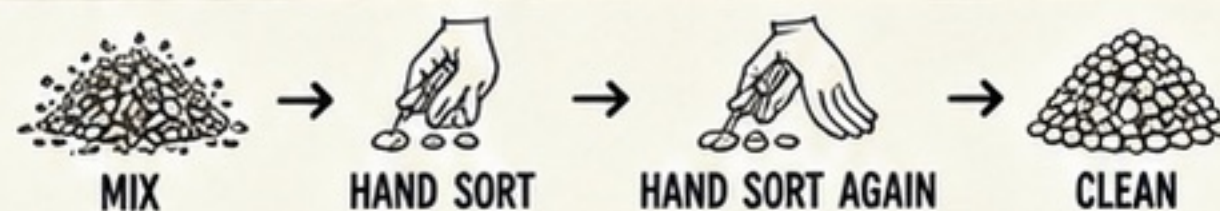


## 3 EXPLODED VIEW

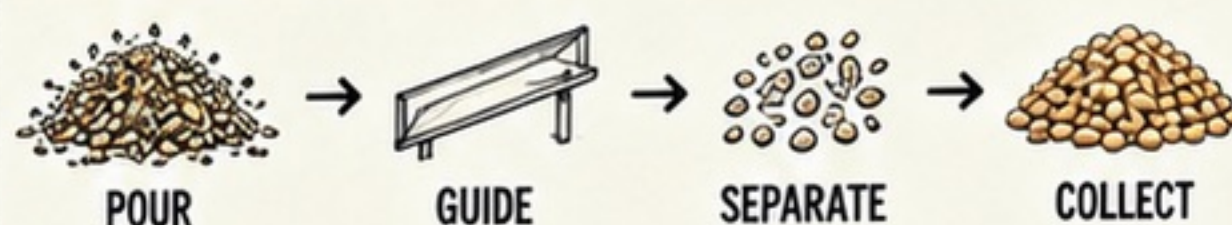


**DON'T BUILD A BIGGER MACHINE.  
BUILD A BETTER PATH.**

### OLD WAY (MANUAL SORTING)



### CROP GATE WAY (GRAVITY SORTING)



FIELD SOLUTIONS  
FOR REAL FARMERS.



AFFORDABLE



REPAIRABLE



LOCALLY BUILDABLE

SAME FIELDS.  
BRIGHTER TOMORROWS.

# THE HARVEST SORTED ITSELF

*Less picking. More collecting.*

Sometimes the easiest way to separate two things is to stop making them take the same path.  
— Aarav

SAME FIELDS.  
BRIGHTER TOMORROWS.

Good design works with nature. Not against it.

CROP GATE  
FIELD TEST  
REAL FIELDS.  
REAL PEOPLE.  
REAL IMPACT.



## THE FLOW



**THE FARMER DIDN'T NEED TO SORT FASTER. THE MATERIAL JUST NEEDED DIFFERENT PATHS.**

### BEFORE (MANUAL SORTING)



### AFTER (CROP GATE)



Same effort.  
A cleaner process.  
A more valuable harvest.