

# THE SEED THAT WOULDN'T FIT.

REAL FARMS.  
REAL PROBLEMS.  
BETTER SOLUTIONS.

*Ginger doesn't come in perfect shapes.*

*Different shapes.  
Same potential.*

*Observe  
Understand  
Design  
— Aarav*

THE TOOL EXPECTS A PERFECT SEED.



BETTER PLANTING FOR A STRONGER TOMORROW.

*Real seeds.  
Real shapes.  
Real farmers.*

*Small*

*Long*

*Thick*

*Curved*

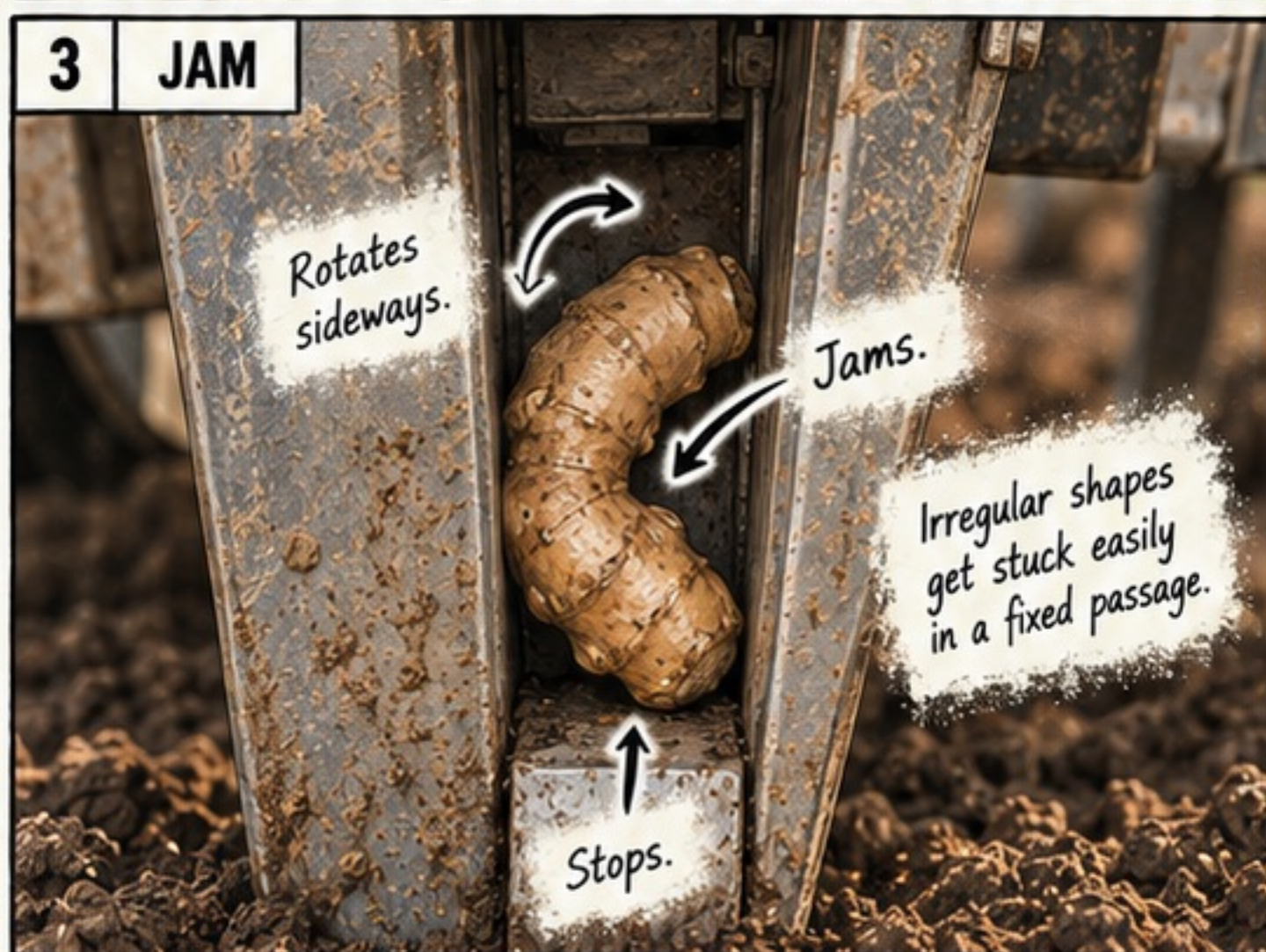
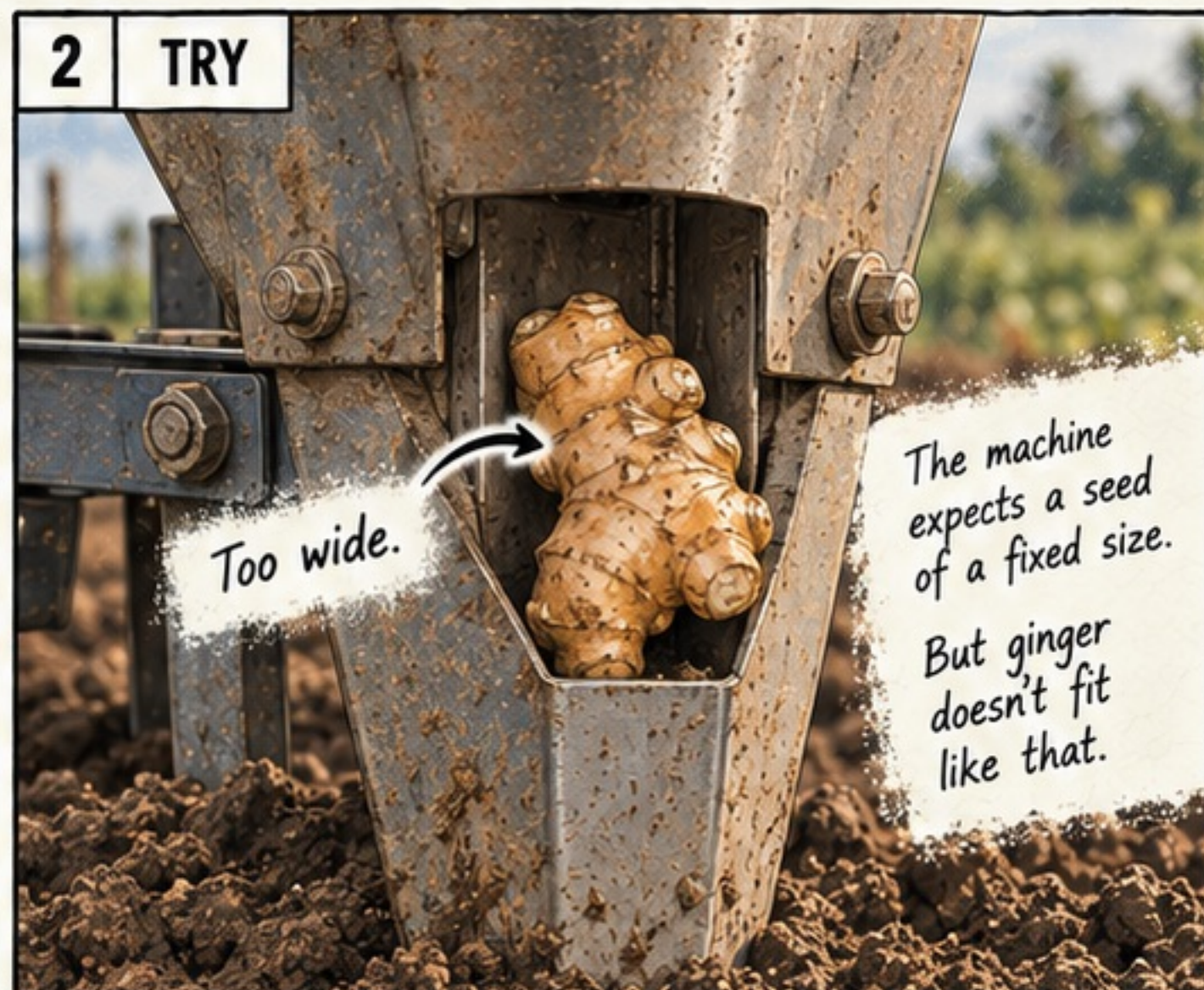
*Irregular*

*Knobby*

# WATCH FIRST

REAL  
FARMS.  
REAL  
PROBLEMS.  
BETTER  
SOLUTIONS.

*The machine wants a seed. The farmer has a rhizome.*



## CURRENT WORKFLOW:



**THE PROBLEM WASN'T PLANTING GINGER. IT WAS EXPECTING GINGER TO BE UNIFORM.**

# THEN I STOPPED TRYING TO MEASURE IT.

SAME FARMS.  
SAME QUESTIONS.  
BETTER SOLUTIONS.

*What if the tool simply adapted to the piece?*

Real problems in the field inspire better design.

— Aarav

Different shapes.  
Same crop.  
Same potential.



INSTEAD OF DIFFERENT HOLES...  
ONE ADAPTABLE OPENING.



Small rhizome  
Fingers close



Medium rhizome  
Fingers adjust



Large rhizome  
Fingers open

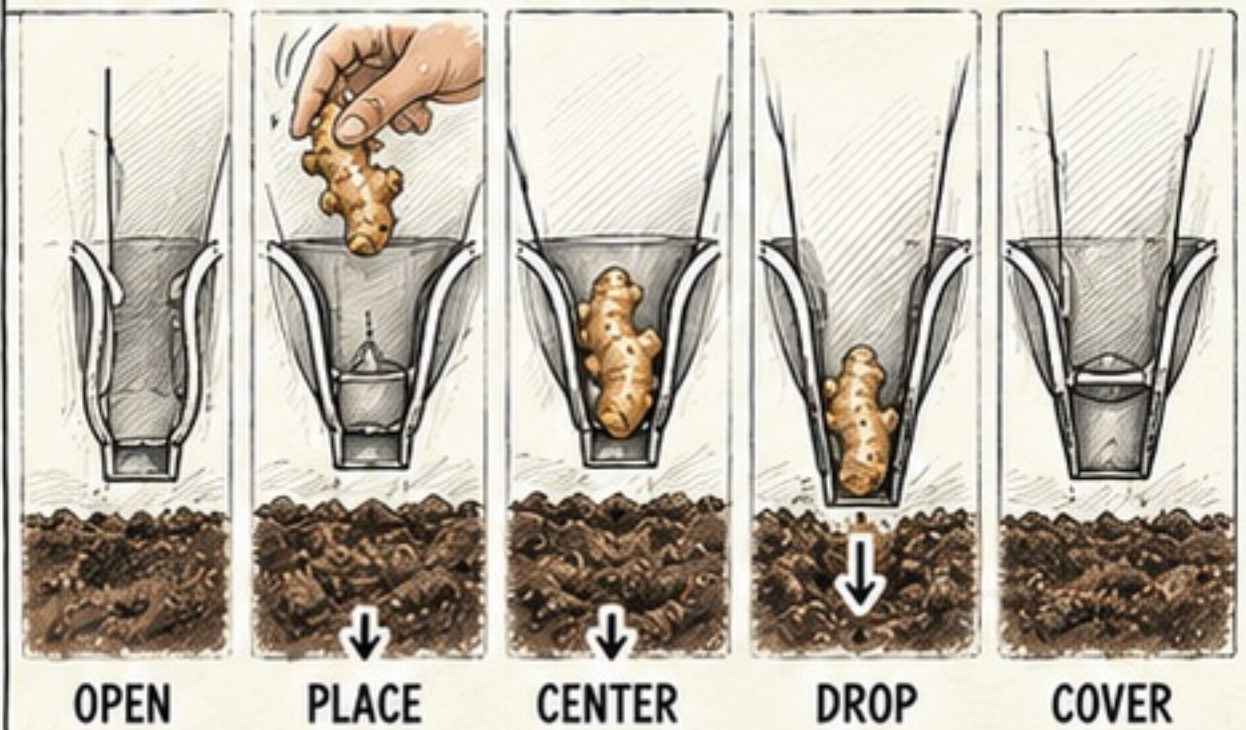
A SIMPLE IDEA.



**DON'T MEASURE  
THE GINGER.  
LET THE TOOL  
ADAPT TO IT.**

**ONE PIECE.  
ONE POCKET.  
ONE DROP.**

PLANTING SEQUENCE (CONCEPT)



DESIGN PRINCIPLE:

**MAKE THE MECHANISM  
FORGIVING.**



ADAPT  
NOT REJECT.



SIMPLE  
MECHANICS.



REAL  
FARMERS.



BIGGER  
POSSIBILITIES.

"Agriculture doesn't need  
more precision.  
It needs more understanding."

— Aarav

# SO I STOPPED ASKING THE SEED TO FIT.

**RHIZO-DROP** — a planting pocket that adapts instead.

Same crops.  
More possibilities.  
Simple ideas  
for real farmers.

— Aarav

Designs that  
work with nature,  
work for people.

Different  
shapes.  
Same field.  
A more  
forgiving  
tool.



## SLIDE

Tool opens the furrow  
in prepared soil.



## ADAPT

Flexible guides adjust  
to the rhizome shape.



## DROP

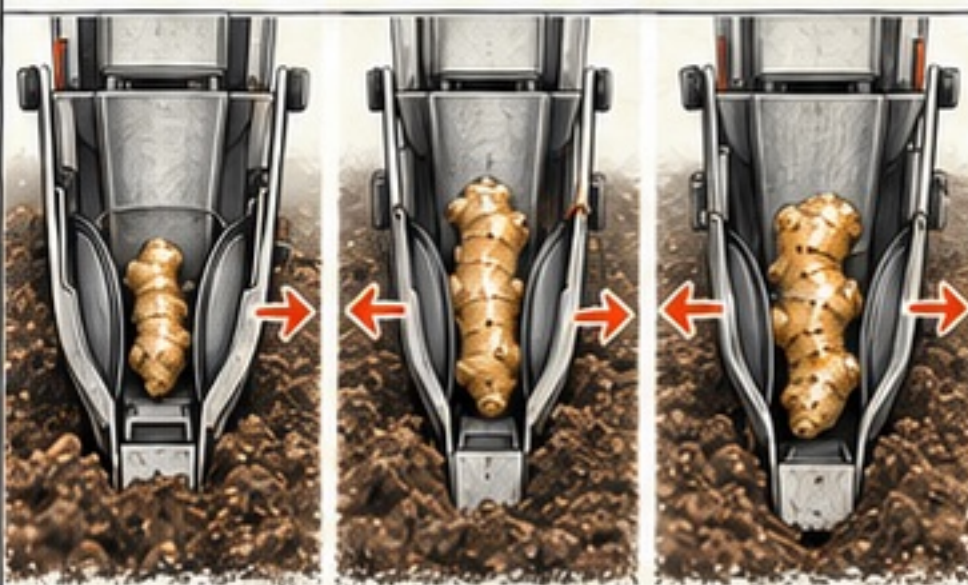
The piece is released  
into the pocket.



## COVER

Rear shoe gently  
closes the soil.

## ADAPTS TO DIFFERENT SIZES



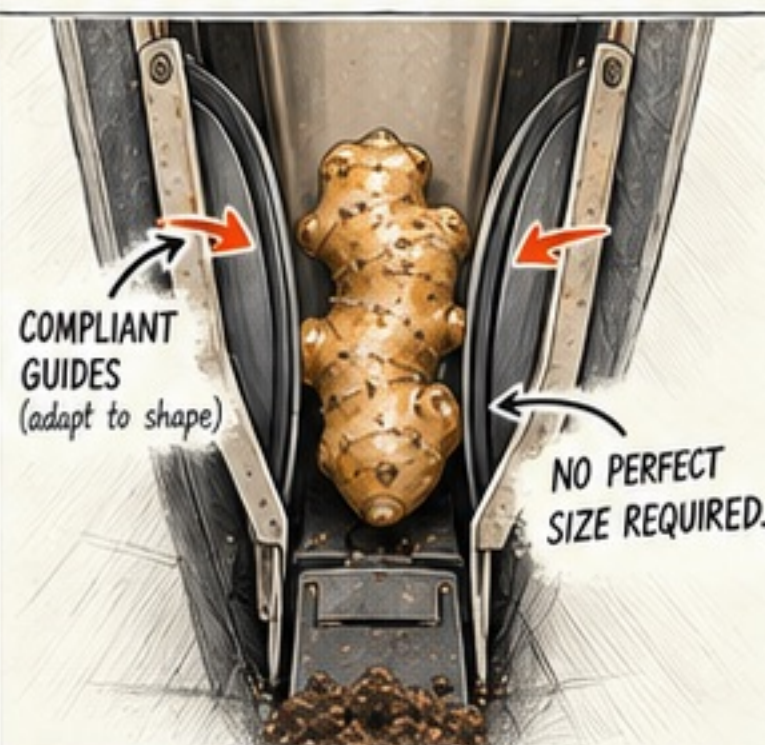
SMALL

MEDIUM

LARGE

ONE MECHANISM. DIFFERENT SIZES.

## INSIDE THE PLANTING POCKET



COMPLIANT  
GUIDES  
(adapt to shape)

NO PERFECT  
SIZE REQUIRED.

## EXPLODED VIEW



01 SOIL-OPENING SHOE  
(creates furrow)

07 ERGONOMIC HANDLE  
(comfortable grip)

02 SELF-ADJUSTING  
RHIZOME POCKET

03 FLEXIBLE SIDE GUIDES  
(compliant)

04 RELEASE GATE

06 FIELD WHEELS  
(smooth movement)

05 SOIL-CLOSING SHOE  
(covers the rhizome)

**DON'T MAKE  
THE FARMER  
SORT THE SEED.  
MAKE THE TOOL  
ACCEPT THE SEED.**

## OLD APPROACH:



## RHIZO-DROP:



A small  
mechanism  
can make  
farming more  
inclusive."

— Aarav



REAL  
PROBLEMS.



SIMPLE  
MECHANISMS.



REAL  
FARMERS.



BIGGER  
POSSIBILITIES.

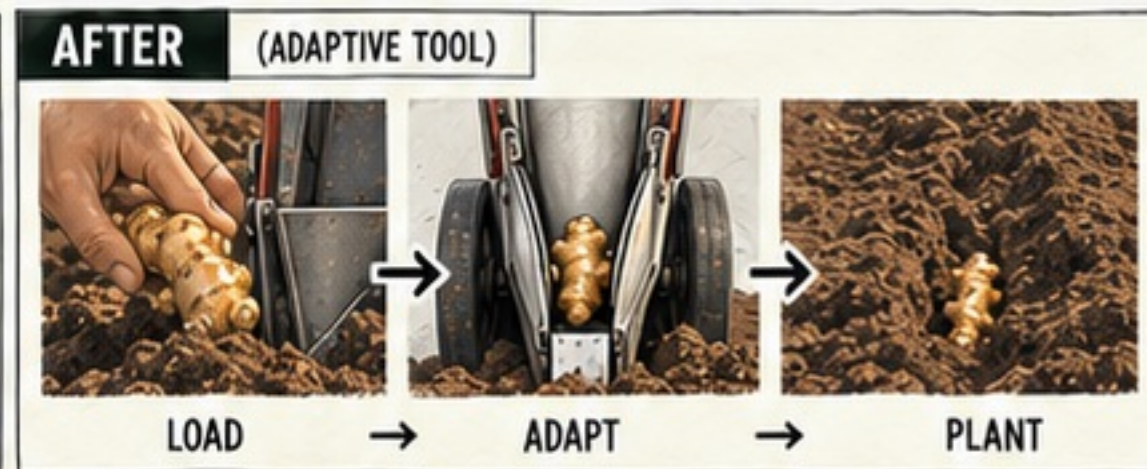
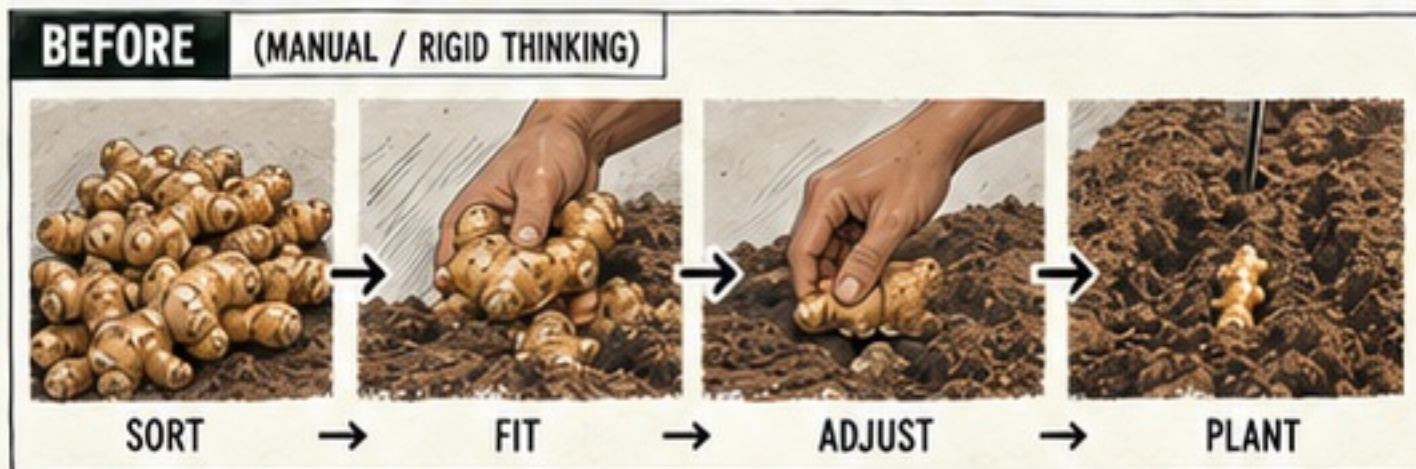
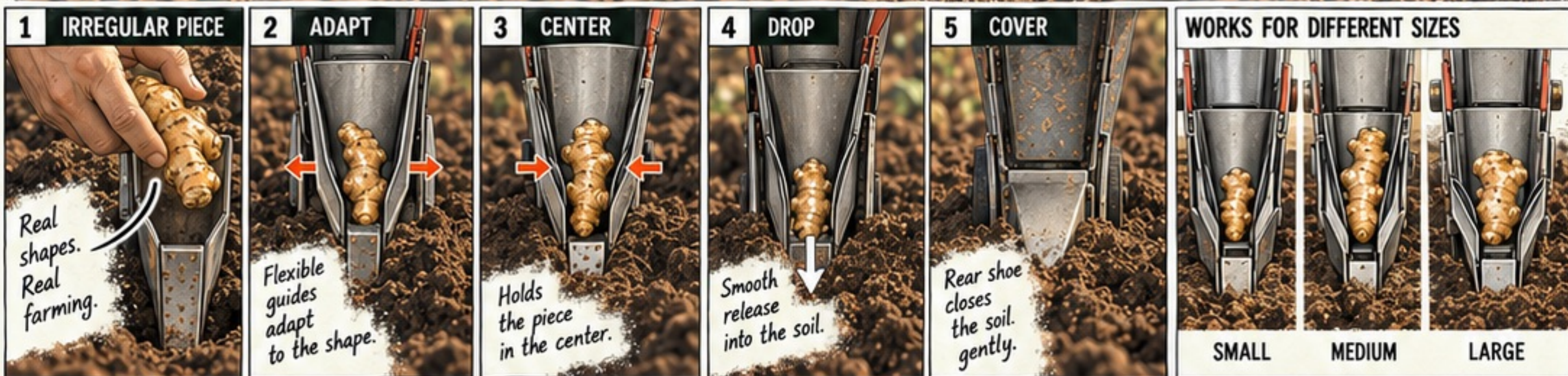
**RHIZO-DROP**  
FIELD PROTOTYPE / 03

# THE SEED DIDN'T HAVE TO FIT

*The tool learned to adapt.*

*Good mechanisms don't fight variation. They absorb it.*  
— Aarav

SAME FARMS. REAL SOLUTIONS. A BRIGHTER TOMORROW.



SAME CROPS. LESS HASSLE. MORE POSSIBILITIES.

**THE FARMER DIDN'T NEED UNIFORM SEEDS. THE TOOL NEEDED AG STOP EXPECTING THEM.**



*Better tools for real people. Healthier soils. Stronger futures.*

IDEAS ROOTED IN REAL FIELDS.