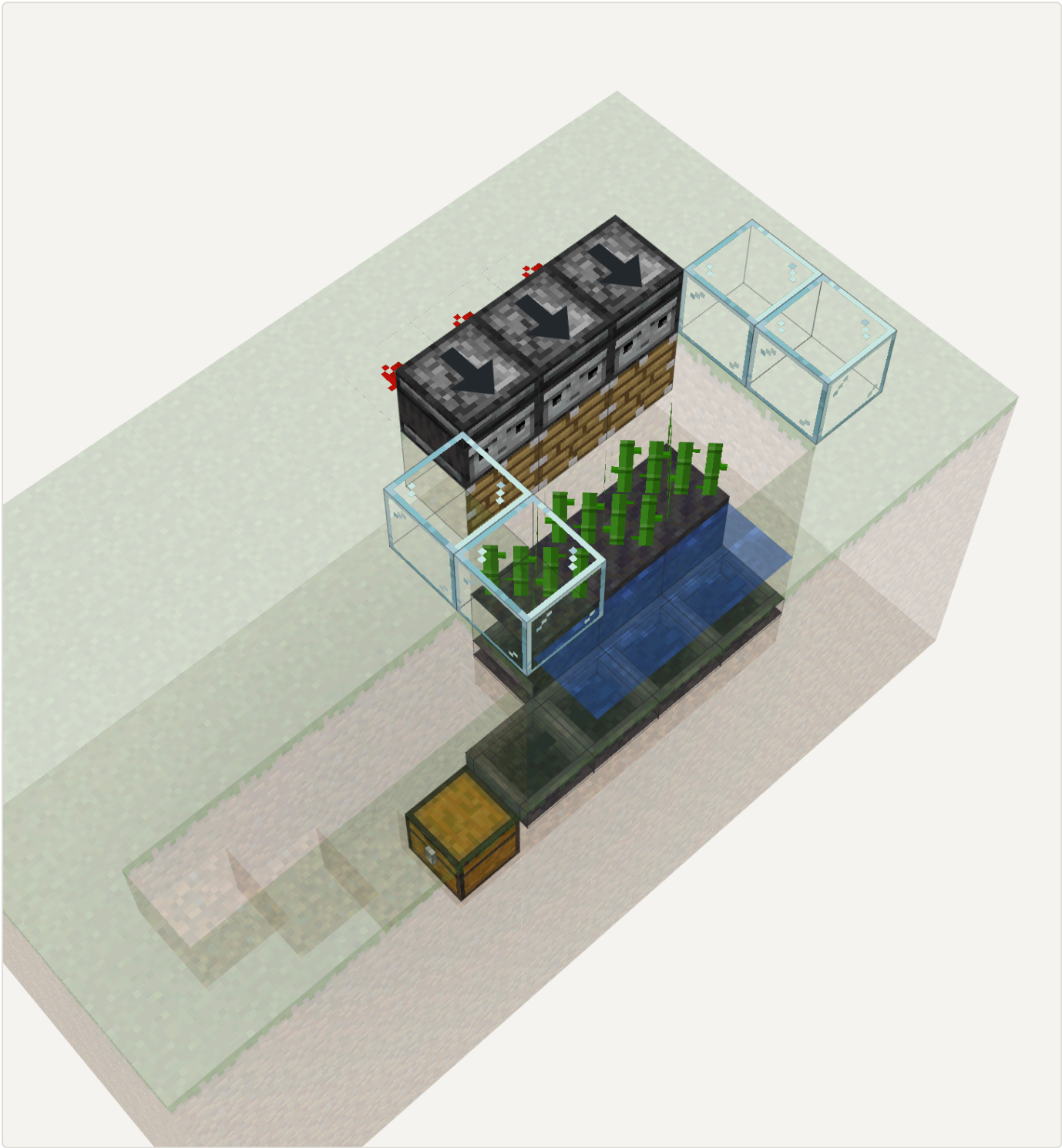


Automatic Sugar Cane Farm

Minecraft 26.3 · Blocksworth Tests, Build #1



27 blocks + 2 water buckets 7 steps 9 different parts



4×
Glass



3×
Mud



1×
Chest



7×
Hopper



3×
Observer



3×
Piston



3×
Redstone Dust



3×
Sugar Cane



2×
Water Bucket

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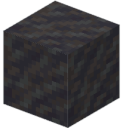
Inventory

Everything you need: 27 blocks + 2 water buckets

BLOCKS



4x
Glass



3x
Mud



1x
Chest

REDSTONE



7x
Hopper



3x
Observer



3x
Piston



3x
Redstone Dust

ITEMS



3x
Sugar Cane



2x
Water Bucket

1

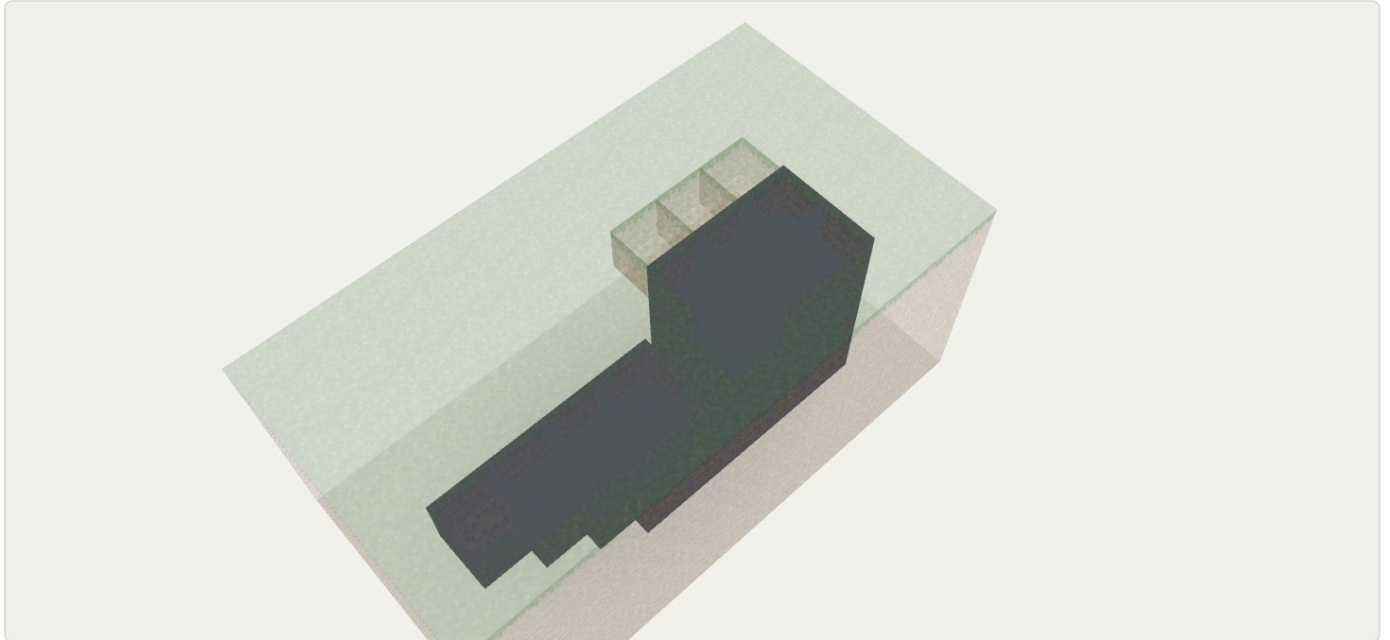
Cells to remove are outlined



35×
Dig out

Dig a 2 × 3 hole, 4 deep

Plus a hole for the chest at the east end and 3 steps down to it.



2

New blocks are outlined



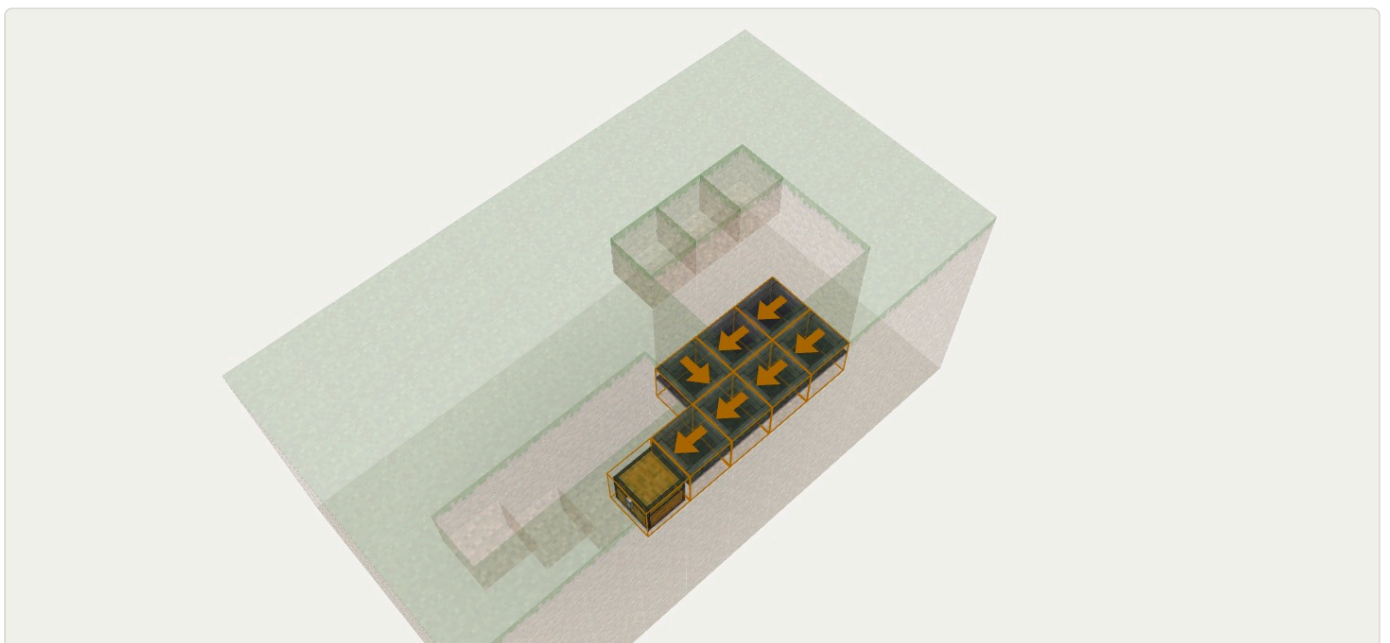
1×
Chest



7×
Hopper

Chest, then the hoppers

Every hopper points toward the chest: front row east, back row east then north.



3

□ New blocks are outlined



3×
Mud

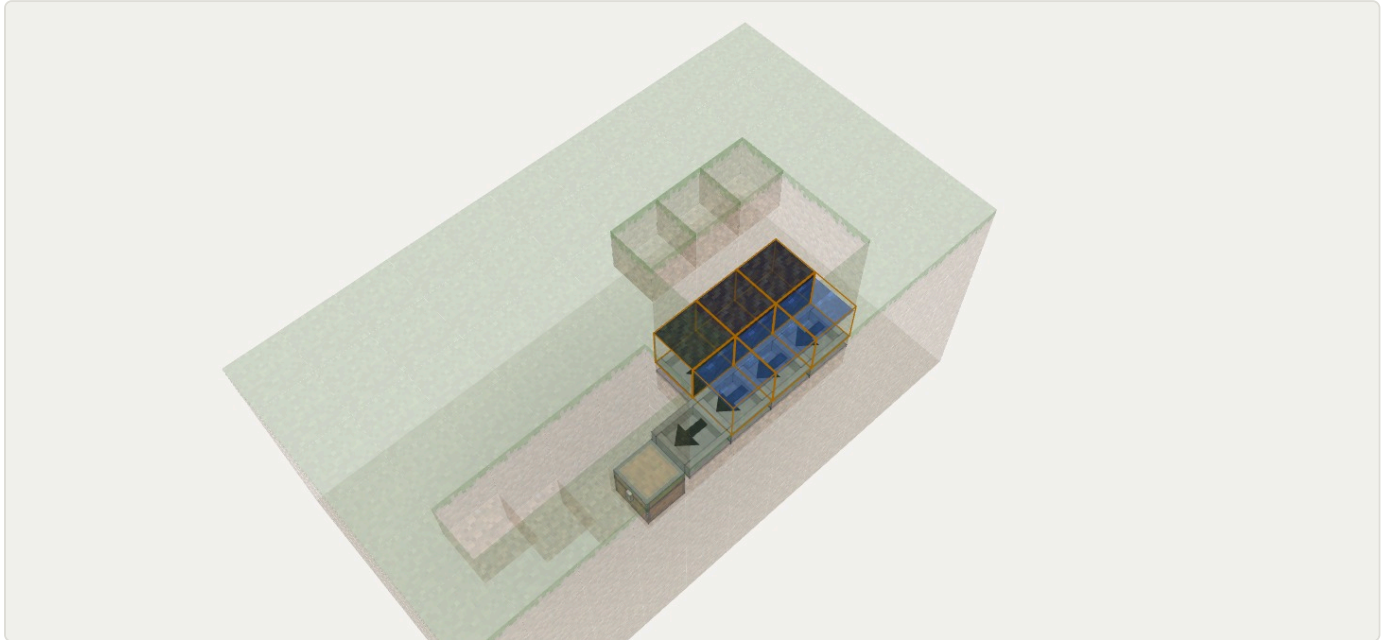


2×
Water Bucket

+1 forms by
itself

Mud at the back, water at the front

Mud, not dirt: it is a bit lower, so the hopper below still grabs the cane. 2 buckets fill 3 cells.



4

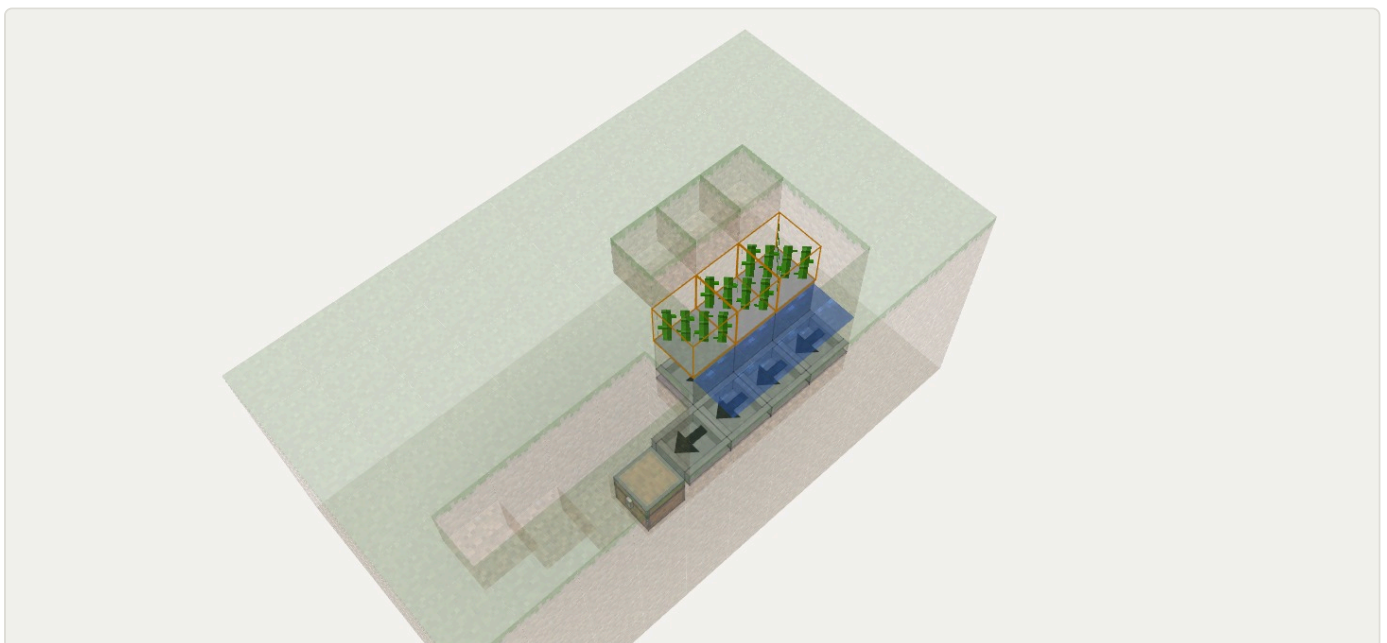
□ New blocks are outlined



3×
Sugar Cane

Sugar cane on the mud

It needs the water right next to it.



5

□ New blocks and removals are outlined



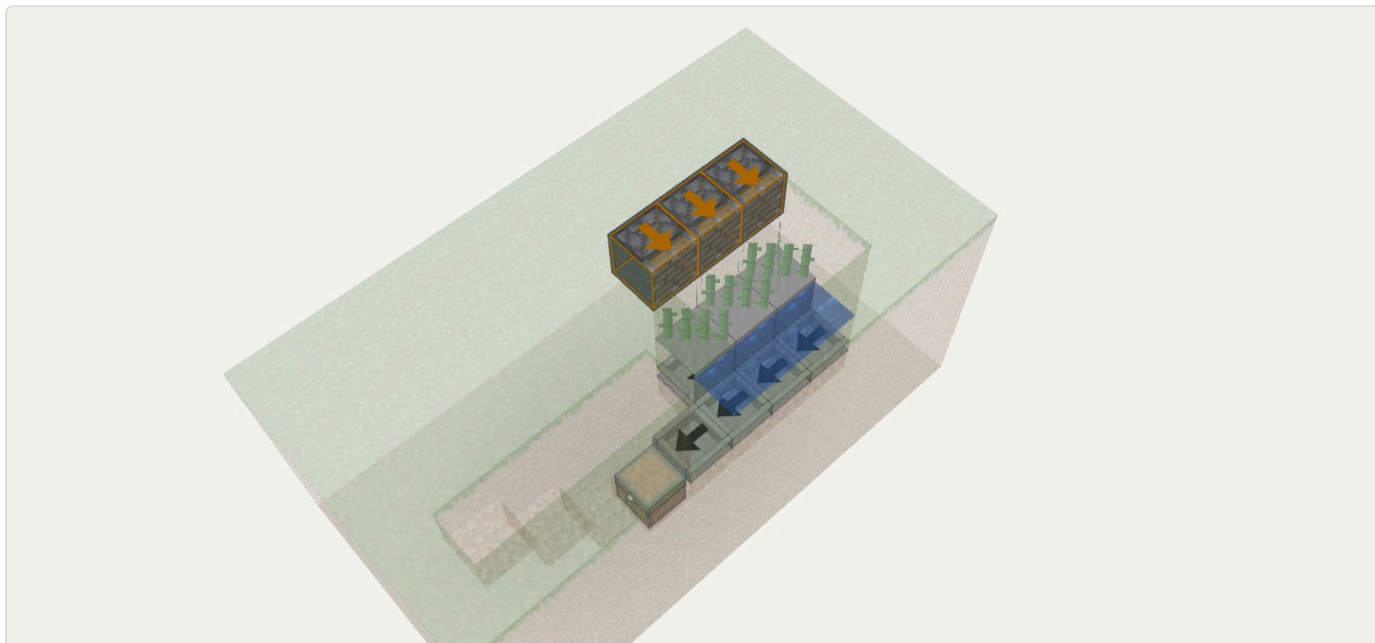
3×
Dig out



3×
Piston

Pistons in the back wall

Replace the grass behind the cane, level with its 2nd block. Pistons face the cane.



6

□ New blocks are outlined



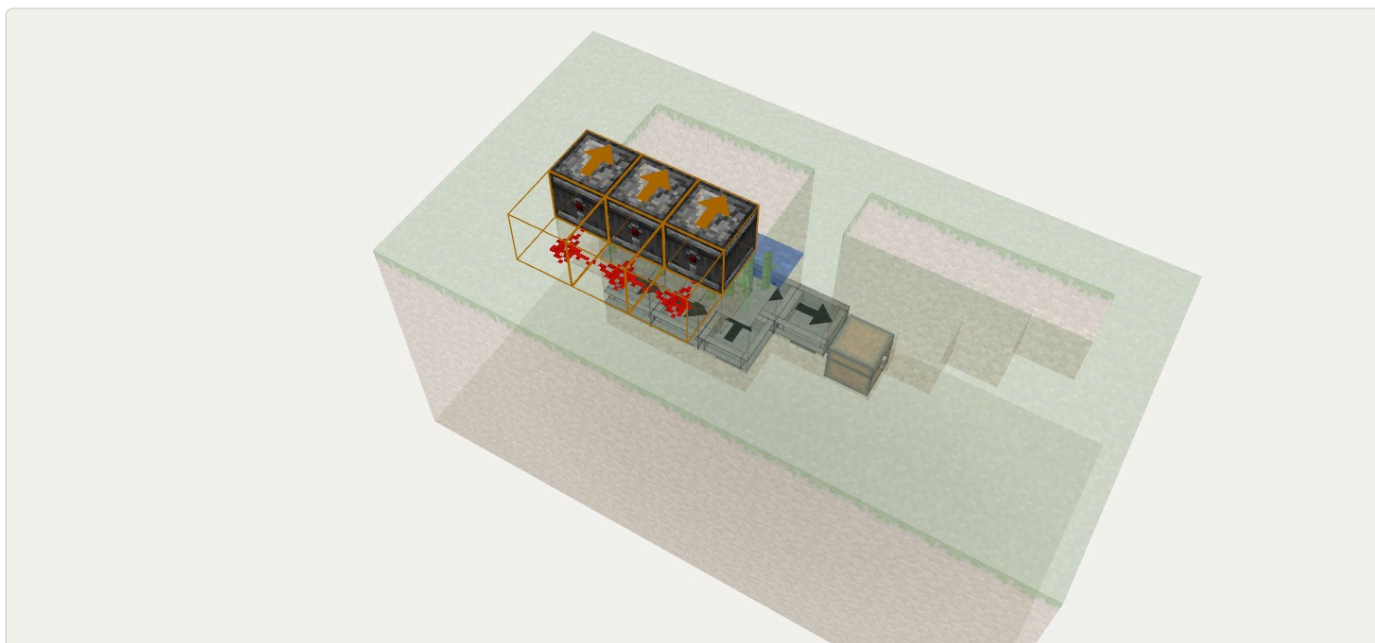
3×
Observer



3×
Redstone Dust

Observers and redstone dust

Observers on the pistons watch the 3rd cane block. Dust on the grass behind them fires every piston.

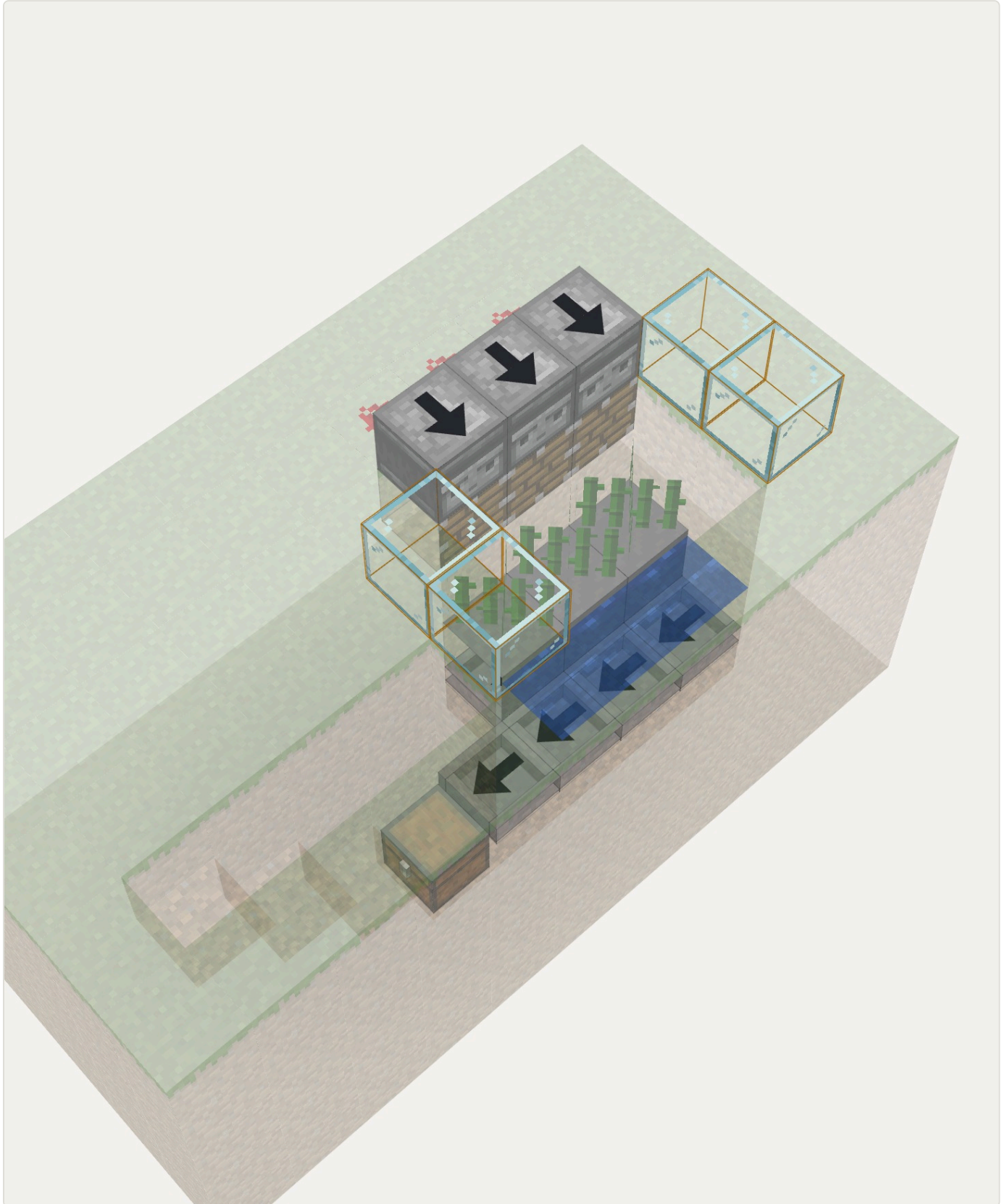


7

 New blocks are outlined**4×**
Glass

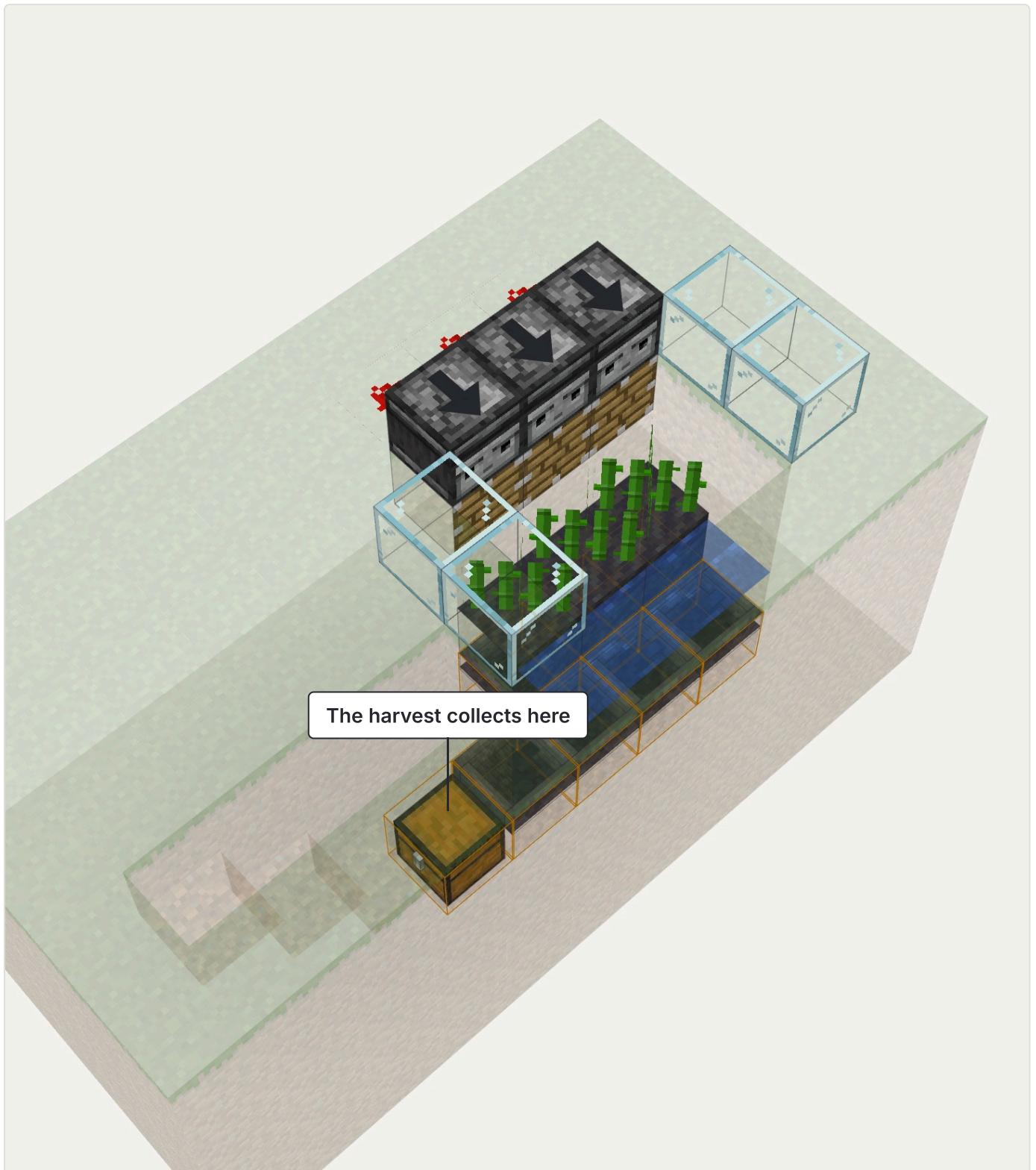
4 glass on the ends

Without them 1 cane in 9 flies out sideways. With them: 90 of 90 in the chest.



Finished!

Where the sugar cane goes



When the cane grows to its 3rd block, the observer fires the piston and breaks it. The cane falls onto the mud, the hoppers underneath pull it in and pass it east into the chest. Collect it from the 3 steps at the east end.

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