

Soul Soil

Not to be confused with Soul Sand.

Soul soil is a [block](#) found abundantly in [soul sand](#) valleys. It does not slow down [entities](#), but still activates [Soul Speed](#). It can also be used to create [soul fire](#), and generate [basalt](#) when paired with [blue ice](#) and [lava](#).

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Obtaining

Breaking

Soul Soil	
Renewable	Yes
Stackable	Yes (64)
Tool	
Blast resistance	0.5
Hardness	0.5
Luminous	No
Transparent	No
Flammable	No, but burns indefinitely when manually ignited on the top side only, creating soul fire
Catches fire from lava	No
Map color (JE)	<input type="checkbox"/> 26 COLOR_BROWN

The suitable tool to break soul soil is shovel.

Block	 Soul Soil
Hardness	0.5
Tool	
<u>Breaking time (sec)</u> ^[A]	
Default	0.75
 Wooden	0.4
 Stone	0.2
 Copper	0.15
 Iron	0.15
 Diamond	0.1
 Netherite	0.1
 Golden	0.1

Legend

- incorrect tool, drops nothing
- correct tool, drops nothing or something other than the block itself
- correct tool, drops the block itself
- *italicized* can be instant mined

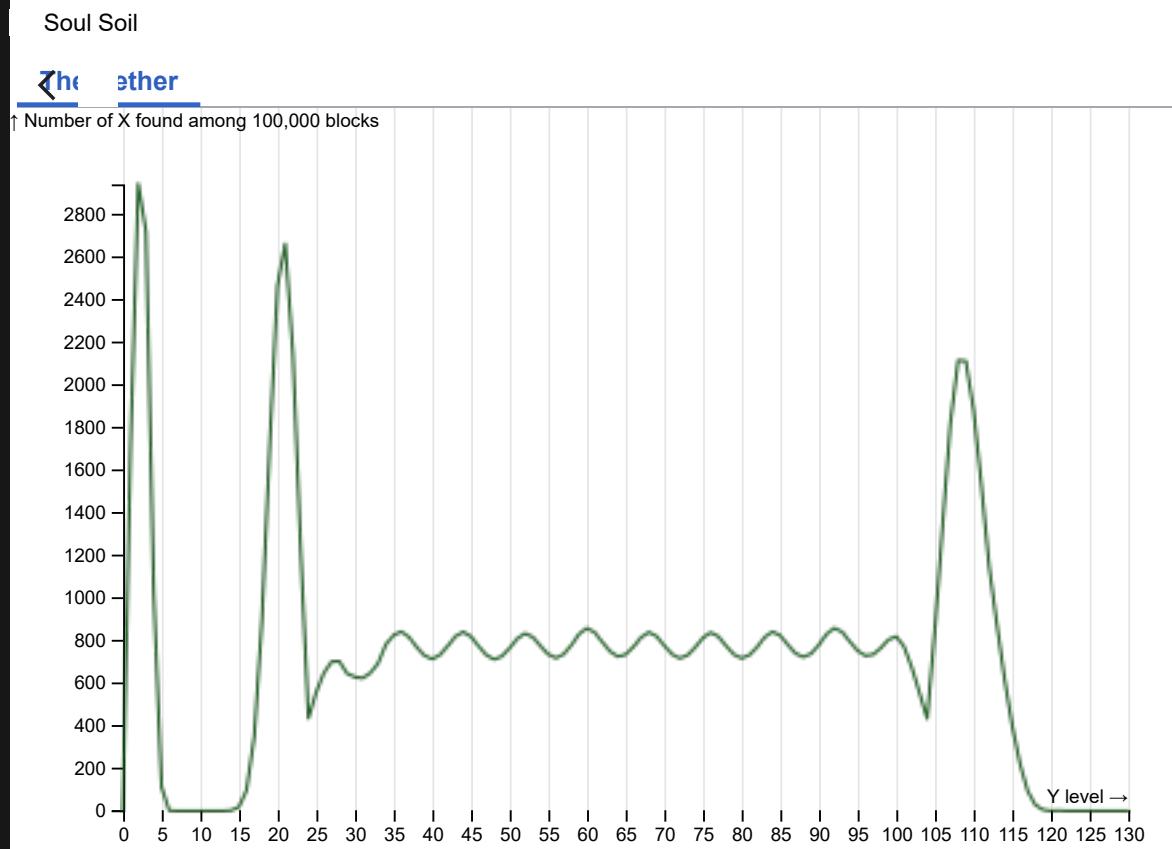
1. These durations ignore other influential factors (e.g., Mining Fatigue) and are measured in seconds. For more information, see Breaking § Speed.

Soul soil drops itself when it's destroyed.

Natural generation

Soul soil generates naturally in the soul sand valley biome.

Block distribution for Soul Soil in Java Edition 1.21.7



Logarithmic scale

Slight difference in the Y-coordinate represents a large change in the relative frequency of a block type, making it useful to see small changes on the graph when there is a large spike.

Soul campfire

Soul campfires drop soul soil when broken without Silk Touch. Because soul campfires can be crafted with soul sand, which is a renewable resource, soul soil is thus renewable as well.^[1]

Usage

Unlike soul sand, soul soil does not slow mobs down, does not create bubble columns in water, and is a full block in vertical size (meaning mobs or players do not sink inside of it).

Soul Speed

While wearing boots with the Soul Speed enchantment, players walk more quickly on soul soil.

Fire

Fire lit on soul soil becomes soul fire.

Withers

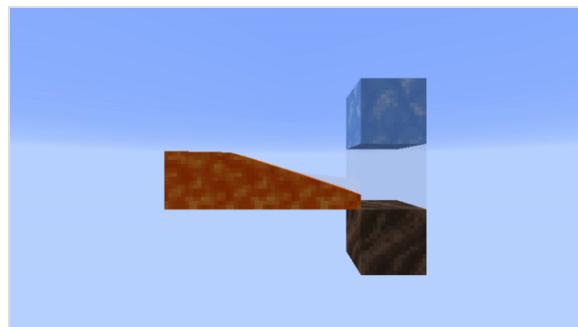
4 blocks of soul soil (or soul sand) are used in the construction of a wither. (See Wither § Spawning)

Basalt

Lava on top of soul soil and directly adjacent to blue ice turns into basalt. (See [Tutorial:Basalt farming](#))



Crafting ingredient



A simple basalt generator.

Name	Ingredients	Crafting recipe	[hide]
<u>Soul Campfire</u>	Stick + Soul Soil + Any Log or Stem or Any Stripped Log or Stem or Any Wood or Hyphae or Any Stripped Wood or Hyphae		
<u>Soul Torch</u>	Coal or Charcoal + Stick + Soul Soil		

Sounds

Java Edition:

 soul_soil sound type [hide]								
Sound	Closed captions	Source	Description	Identifier	Translation key	Volume	Pitch	Attenuation distance
	Block broken	Blocks	Once the block has broken	block.soul_soil.break	subtitles.block.generic.break	0.8	0.8	16
	Block placed	Blocks	When the block is placed	block.soul_soil.place	subtitles.block.generic.place	0.8	0.8	16
	Block breaking	Blocks	While the block is in the process of being broken	block.soul_soil.hit	subtitles.block.generic.hit	0.165	0.5	16
	Something falls on a block	<i>Entity-Dependent</i>	Falling on the block with fall damage	block.soul_soil.fall	subtitles.block.generic.fall	0.5	0.75	16
	Footsteps	<i>Entity-Dependent</i>	Walking on the block	block.soul_soil.step	subtitles.block.generic.footsteps	0.15	1.0	16

Bedrock Edition:

 soul_soil sound type [hide]							
Sound	Closed captions <i>[upcoming: BE 26.0]</i>	Source	Description	Identifier	Translation key <i>[upcoming: BE 26.0]</i>	Volume	Pitch
	?	Blocks	Once the block has broken	dig.soul_soil	?	1.0	0.8-1.0
	?	Blocks	When the block is placed	dig.soul_soil	?	1.0	0.8-1.0
	?	Blocks	While the block is in the process of being broken	hit.soul_soil	?	0.17	0.5
	?	Players	Falling on the block with fall damage	fall.soul_soil	?	0.4	1.0
	?	Players	Walking on the block	step.soul_soil	?	0.16	1.0
	?	Blocks	Jumping from the block	jump.soul_soil	?	0.12	1.0
	?	Blocks	Falling on the block without fall damage	land.soul_soil	?	0.14	1.0

Data values

ID

Java Edition:

Name	Identifier	Form	Block tags	Item tags	Translation key
Soul Soil	soul_soil	Block & Item	soul_fire_base_blocks soul_speed_blocks wither_summon_base_blocks mineable/shovel	soul_fire_base_blocks	block.minecraft.soul_soil

Bedrock Edition:

Name	Identifier	Numeric ID	Form	Item ID ^[i 1]	Item tags	Translation key
Soul Soil	soul_soil	491	Block & Giveable Item ^[i 2]	Identical ^[i 3]	minecraft:soul_fire_base_blocks	tile.soul_soil.name

1. ID of block's direct item form, which is used in savegame files and addons.
2. Available with `/give` command.
3. The block's direct item form has the same ID as the block.

Videos

History

Announcement

September 28, 2019 (https://youtube.com/watch?v=OZqNaEX8208&t&t=2h13m39s)	 Soul soil shown unnamed as part of soul sand valley biome at Minecon 2019.
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Java Edition

		Java Edition	[hide]
1.16	<u>20w06a</u>	 Added soul soil. Soul soil appears in the <u>soul sand valley</u> biome.	
	<u>20w07a</u>	Soul soil can now be used to create a <u>wither</u> .	
	<u>20w09a</u>	Soul soil can now be broken quickly using <u>shovels</u> . ^[2]	
	<u>20w13a</u>	Lava poured over soul soil next to <u>blue ice</u> can now generate <u>basalt</u> .	
	<u>20w15a</u>	Soul soil can now be used to craft soul campfires. Soul soil now drops when breaking <u>soul campfires</u> , making it renewable.	
	<u>Deep Dark Experimental Snapshot 1</u>	Soul soil now generates as part of <u>ancient city</u> .	
1.19	<u>22w13a</u>	Soul soil no longer generates as part of <u>ancient city</u> .	

Bedrock Edition

		Bedrock Edition	[hide]
1.16.0	<u>beta 1.16.0.51</u>	 Added soul soil.	
	<u>beta 1.16.0.57</u>	Lava poured over soul soil next to <u>blue ice</u> can now generate <u>basalt</u> .	
	<u>beta 1.16.0.63</u>	Soul soil can now be broken quickly using <u>shovels</u> . ^[3]	
1.16.100	<u>beta 1.16.100.54</u>	Soul soil now drops when breaking soul <u>campfires</u> . ^[4]	
1.20.30	<u>Preview 1.20.20.21</u>	Decreased the hardness and blast resistance of soul soil from 1 to 0.5.	

Issues

Issues relating to "Soul Soil" are maintained on the bug tracker. Issues should be reported and viewed there (<https://bugs.mojang.com/issues/?jql=project%20in%20%28MC%2C%20MCPE%29%20AND%20%28resolution%20is%20EMPTY%20OR%20resolution%20in%20%281%2C%202%2C%206%29%29%20AND%20%28summary%20~%20%22Soul%20Soil%22%29%20ORDER%20BY%20resolution%20DESC>).

Gallery

Screenshots



Naturally generated soul soil in a [soul sand valley](#).

[Soul fire on soul soil.](#)

References

1. [MC-178579](#) — Soul campfires can be used to convert soul sand into soul soil — resolved as "Works As Intended".
2. [MC-171548](#)
3. [MCPE-65382](#)
4. [MCPE-74709](#)

External links

- Block of the Week: Soul Soil (<https://www.minecraft.net/en-us/article/block-week--soul-soil>) – Minecraft.net on August 12, 2021

Navigation

Blocks									
[hide] [show]									
Ornamental									
[show] [hide]									
Natural									
[hide]									
Sediment/Soil									
[show]									
Clay Dirt (Coarse) Grass Block Mycelium Podzol Rooted Dirt) Gravel Mud Nylium (Crimson Warped) Sand (Red) Soul Sand (Soil)									
Misc. rock									
[show]									
Bedrock Magma Block Obsidian Calcite Pointed Dripstone (Block)									
Ore/Mineral									
[show]									
Amethyst Bud (Cluster) Budding Amethyst Ancient Debris Coal Ore (Deepslate) Copper Ore (Deepslate) Raw Block Diamond Ore (Deepslate) Emerald Ore (Deepslate) Gold Ore (Deepslate Nether) Iron Ore (Deepslate) Raw Block Lapis Lazuli Ore (Deepslate) Nether Quartz Ore Redstone Ore (Deepslate)									
Plant									
[show]									
Azalea (Flowering) Bamboo (Shoot) Beetroots Big Dripleaf (Small) Bush Cactus Carrots Cave Vines Chorus Plant (Flower) Cocoa Creaking Heart Dead Bush Fern (Large) Firefly Bush Hanging Roots Leaf Litter Leaves Lily Pad Mangrove Propagule Mangrove Roots (Muddy) Melon (Stem) Moss Block (Carpet)									

	Pale Hanging Moss	Pale Moss Block (Carpet)	Potatoes
	Pumpkin (Carved)	Stem	Resin Clump
	Seagrass (Tall)	Short Dry Grass (Tall)	Short Grass (Tall)
	Sugar Cane	Sweet Berry Bush	Vines
	(Hay Bale)		Wheat Crops
Flower	Allium	Azure Bluet	Blue Orchid
	Dandelion	Eyeblossom	Lilac
	Peony	Pink Petals	Pitcher Plant (Crop)
	Rose Bush	Spore Blossom	Sunflower
	Tulips	Wildflowers	Wither Rose
Fungus & Related	Nether Fungi (Crimson)	Warped	Glow Lichen
	(Brown)	(Red)	Mushrooms
	Blocks	Stem	Nether Sprouts
	Nether Wart		Wart Block (Nether)
	Crimson Roots	Warped Roots	Shroomlight
	Twisting Vines		Weeping Vines
Fauna & algae	Coral (Dead)	Coral Blocks (Dead)	Coral Fans (Dead)
	Dried Ghast	Kelp (Dried Block)	Sea Pickle
Fauna/Related	Bee Nest	Bone Block	Cobweb
	Infested Blocks	Sniffer Egg	Dragon Egg
	Turtle Egg		Frogspawn
Sculk	Sculk	Sculk Catalyst	Sculk Sensor (Calibrated)
	Sculk Shrieker	Sculk Vein	
Fluid & Related	Lava	Water (Bubble Column)	Ice (Blue)
	Snow (Powder)	Block	Packed
Non-physical	Air (Cave)	[JE only]	Void [JE only]
	Fire	Soul	Invisible Bedrock [BE & edu only]

Utility[\[show\]](#) **Creative or commands only**[\[show\]](#)

Removed

[\[show\]](#)

Unused

[\[show\]](#)

Unimplemented

[\[show\]](#)

Joke

[\[show\]](#) **Extreme metadata variants**[\[show\]](#)Retrieved from "https://minecraft.wiki/w/Soul_Soil?oldid=3307663"

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