

RAISED BED GARDENING



**- AN EXPERIMENT
IN EVERY WAY!**

SIP =
SELF-
IRRIGATING
PLANTER

THE BEFORE...MAY, 2021

Why?

No water bib
on this side of
the lot

Needed
something
to improve the
appearance
of this side of
the lot

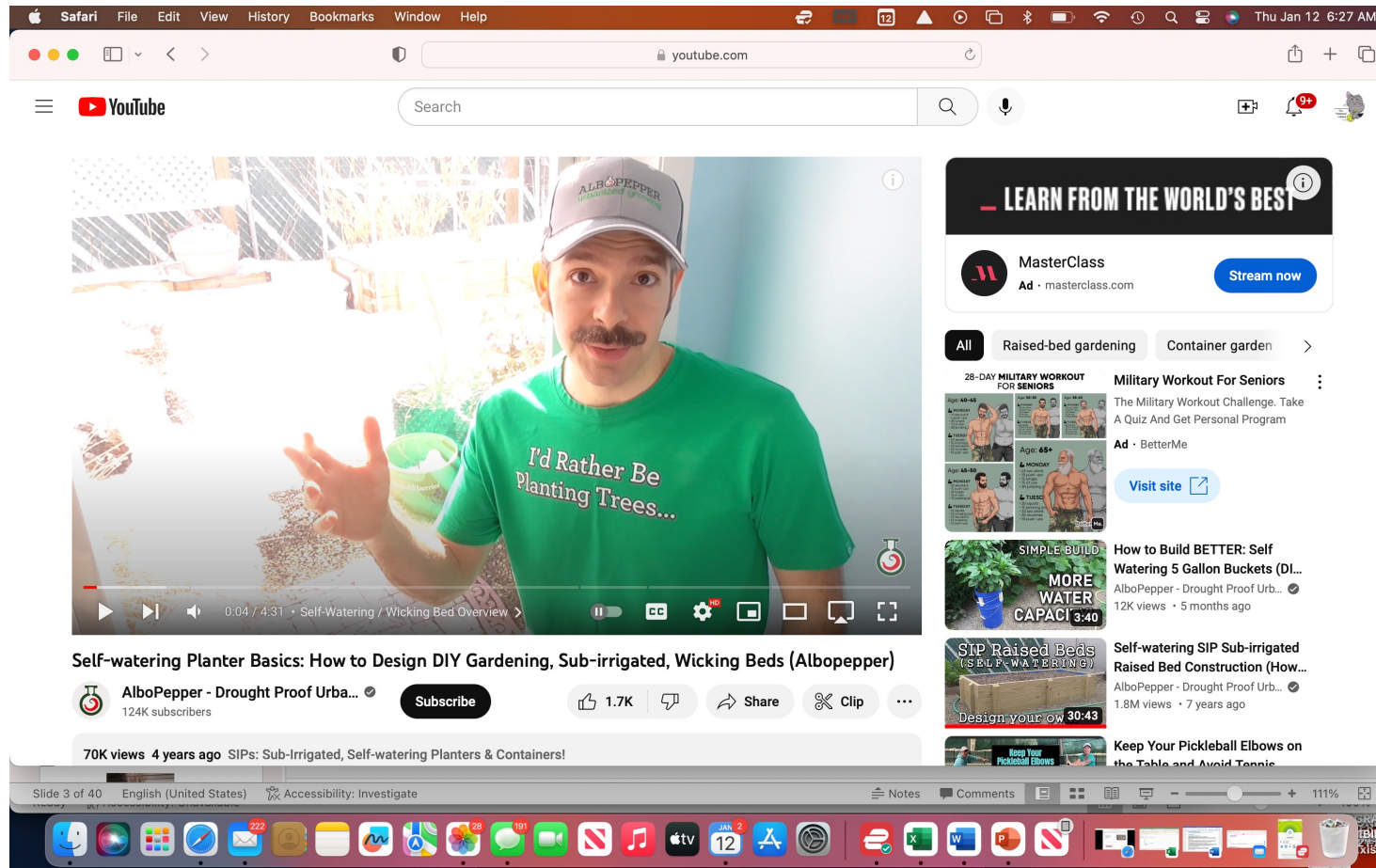
Bad back!



Never grown
veggies before –
wanted
to try it

Always need
more gardening
space

Meet Albo Pepper...



- Self-watering Planter Basics: How to Design DIY Gardening, Sub-irrigated, Wicking Beds (Albopepper)

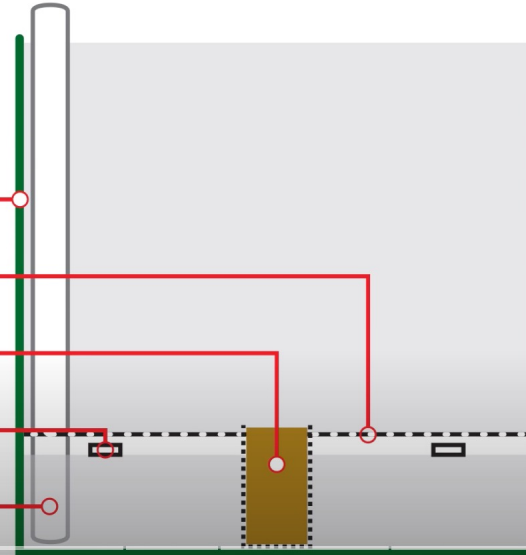
FAMILYHANDYMAN.COM

- <https://www.familyhandyman.com/project/how-to-build-raised-garden-beds/>
- **Tending raised plants is a lot easier on the back and knees.**
- **You can fill planters with top-quality soil for more productivity in a smaller space.**
- **Raised beds curtail creeping weeds and drifting seeds.**
- **The height discourages pests, especially rabbits, although the Bighorn sheep thought I was building them a feeding trough!**
- **Landscape feature**

No Backups for 642 Days
The most recent backup did not complete because your computer was running on battery.

SIP System Components:

- Water-tight Container
- Aeration Screen
- Wicking Media
- Overflow Hole
- Fill Tube



A DRAIN TUBE IS ALSO REQUIRED



Self-watering Planter Basics: How to Design DIY Gardening, Sub-irrigated, Wicking Beds (Albopepper)

AlboPepper - Drought Proof Urb...
124K subscribers

Subscribe

1.7K



Share

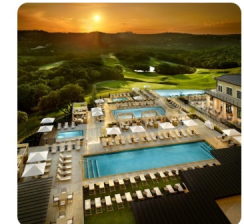
Clip



70K views 4 years ago SIPs: Sub-Irrigated, Self-watering Planters & Containers!

50% Off Today
Ad · shoppdishwashercleaner.com [Buy now](#)

All Raised-bed gardening Container garden



Family-Friendly Austin Resort
Experience The Best Golf In Texas On Four Award-Winning, Championship Golf Course.
Ad · Omni® Barton Creek Resort

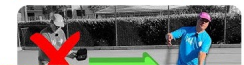
[Book now](#)



Easy Vegetable Fertilizer for Home Gardening in Wicking...
AlboPepper - Drought Proof Urb...
91K views · 10 months ago



SIP Raised Beds (SELF-WATERING)
Self-watering SIP Sub-irrigated Raised Bed Construction (How...
AlboPepper - Drought Proof Urb...
1.8M views · 7 years ago



3 MUST HAVE shots for awesome intermediate (3.5)...

The planter boxes are made of pressure-treated redwood. It was important to level them at the beginning so the water in the reservoir would be level.



Corrugated metal is purely for visual appeal.



Plywood sheets are added to the framework. Scott Wallace of Wallace Landscaping is the builder.



**THE INSIDE DIMENSION OF EACH BOX IS
78" LONG BY 30" WIDE AND 26" DEEP**

11' FOR THE WATER RESERVOIR
13" OF SOIL
2" OF CLEARANCE BELOW
THE TOP OF THE POND LINER.



The beds are located in an area where they receive full sun.

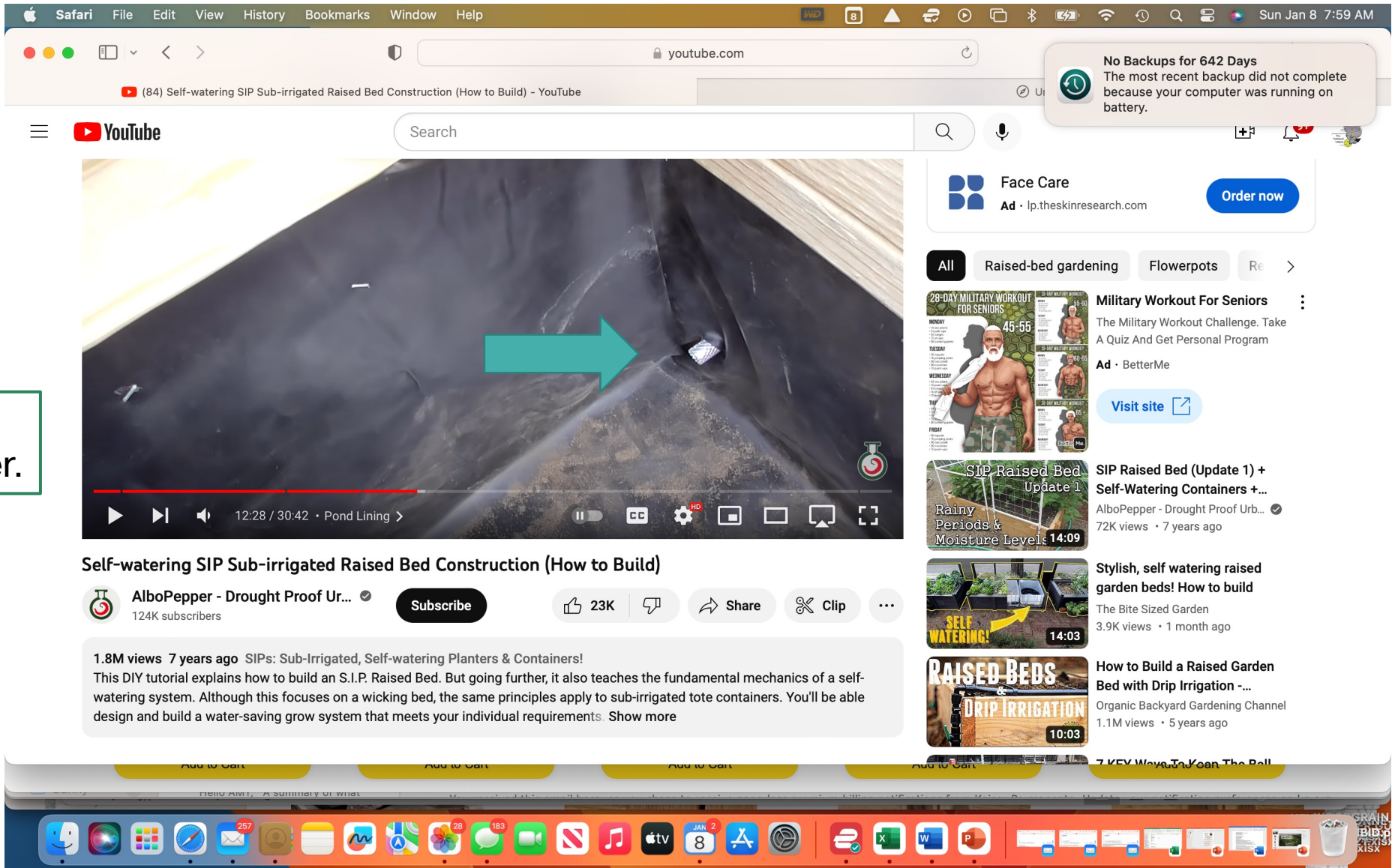


**A POND LINER MAKES THE WATER RESERVOIR.
These were purchased from Amazon, cut to fit, then
stapled into place.**



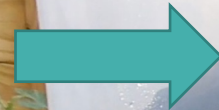
PVC PIPE IS USED FOR FILL AND DRAIN TUBES. THE DRAIN TUBE IS LOCATED ABOUT IN THE MIDDLE OF THE PIPING, WHICH WILL BE THE HIGH WATER LINE IN THE RESERVOIR.





The drain tube is
Inserted into the liner.

Top of tubing



Water line



AlboPepper - Drought Proof Urban Gardening
Self-watering Planter Basics: How to Design DIY Gardening, Sub-irrigated, Wicking Beds (Albopepper)

AlboPepper - Drought Proof Urba... 124K subscribers
Subscribe 1.7K

70K views 4 years ago SIPs: Sub-Irrigated, Self-watering Planters & Containers!

50% Off Today
Ad · shopdishwashercleaner.com Buy now

All Raised-bed gardening Container garden

Family-Friendly Austin Resort
Experience The Best Golf In Texas On Four Award-Winning, Championship Golf Course.
Ad · Omni® Barton Creek Resort Book now

HOW TO GET MASSIVE HARVESTS!
Easy Vegetable Fertilizer for Home Gardening in Wicking...
AlboPepper - Drought Proof Urb... 91K views · 10 months ago 13:53

SIP Raised Beds (SELF-WATERING)
Self-watering SIP Sub-irrigated Raised Bed Construction (How...
AlboPepper - Drought Proof Urb... 1.8M views · 7 years ago 30:43

3 MUST HAVE shots for awesome intermediate (3.5)...


**MAKING THEM SELF-IRRIGATING -
CORRUGATED AND PERFORATED IRRIGATION TUBING IS
CUT TO FIT THE BOX.. TUBING COMES WITH THE ELASTIC
SOCK IN 100' ROLLS AT A COST OF ABOUT \$95.00**

The elastic sock acts as a screen to keep soil out of the reservoir.

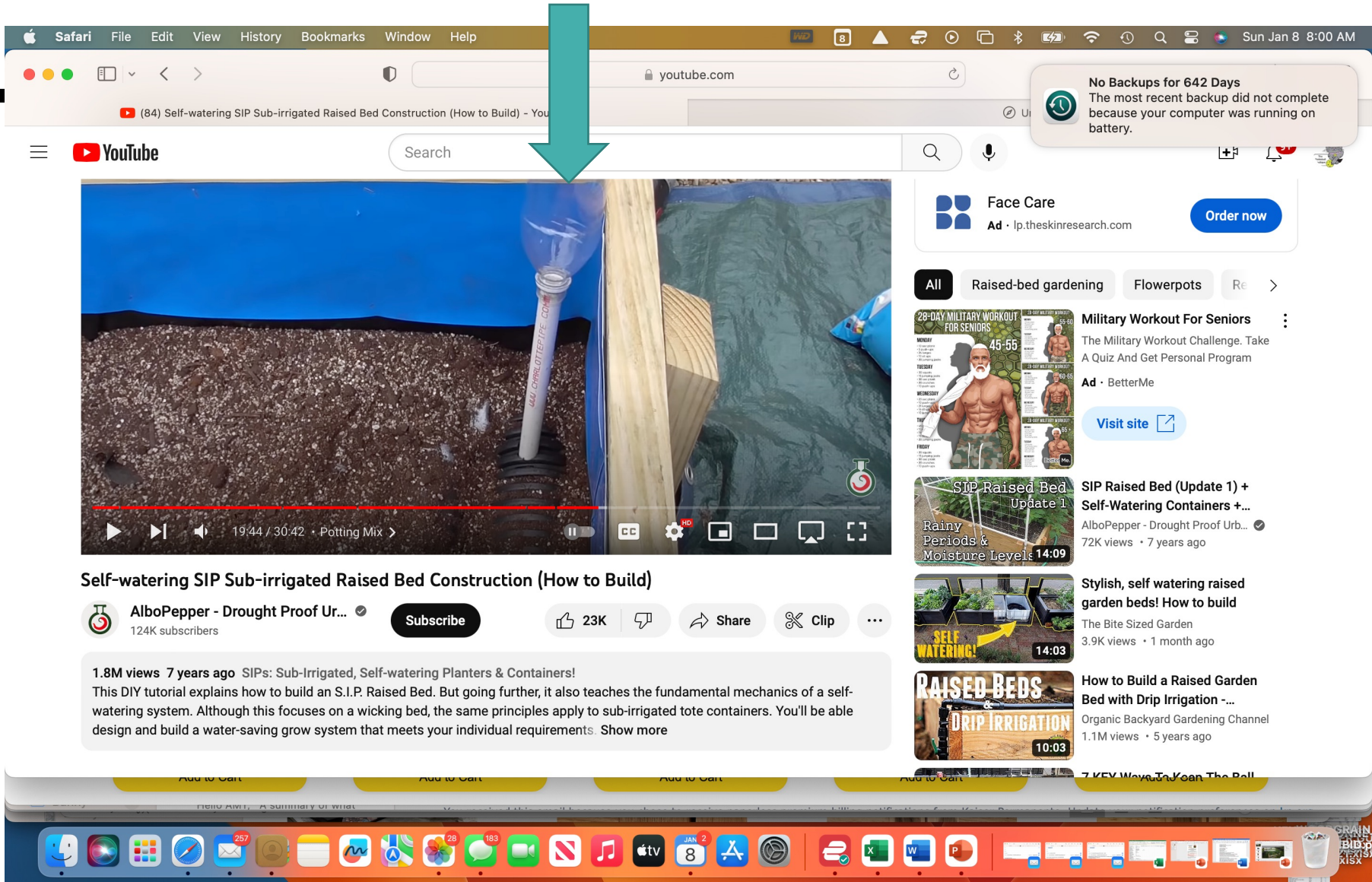


THE FILL TUBE

THE FILL TUBE IS INSERTED INTO THE TUBING SO THE WATER STAYS SOMEWHAT FILTERED.



The screenshot shows a YouTube video player in a Safari browser window. The video title is "Self-watering SIP Sub-irrigated Raised Bed Construction (How to Build)". The video content shows a close-up of a hand inserting a white plastic fill tube into a hole in a black plastic tubing within a raised bed. The video player includes a progress bar at 20:43 / 30:42 and a volume icon. Below the video, the channel name "AlboPepper - Drought Proof Ur..." is visible with 124K subscribers and a "Subscribe" button. The video has 23K likes and options for share, clip, and more. To the right of the video player, there are several recommendations and ads. One ad for "Face Care" offers "51% OFF". Recommendations include "Military Workout For Seniors" and "SIP Raised Bed (Update 1) + Self-Watering Containers +...". A notification bubble in the top right corner of the browser states: "No Backups for 642 Days. The most recent backup did not complete because your computer was running on battery."



This is the fill tube.

A garden hose is used to fill the reservoir.

It takes about 15 minutes to add enough water to make it come out the drain tube.

READY TO ADD SOIL

The bottom layer is peat moss, perlite and vermiculite.

Capillary action is important for moving water (and all of the things that are dissolved in it) around. It is defined as **the movement of water within the spaces of a porous material due to the forces of adhesion, cohesion, and surface tension.**



Moisture retention and absorption are key

No Backups for 642 Days
The most recent backup did not complete because your computer was running on battery.



Search

SIP Potting Mix Components

Coir (Coco) Peat Moss Perlite Vermiculite Pine Bark



Self-watering Planter Basics: How to Design DIY Gardening, Sub-irrigated, Wicking Beds (Albopepper)

AlboPepper - Drought Proof Urba...
124K subscribers

Subscribe

1.7K likes, Share, Clip, ...

70K views 4 years ago SIPs: Sub-Irrigated, Self-watering Planters & Containers!

50% Off Today
Ad · shoppdishwashercleaner.com
Buy now

All Raised-bed gardening Container garden

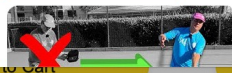
Family-Friendly Austin Resort
Experience The Best Golf In Texas On Four Award-Winning, Championship Golf Course.
Ad · Omni@ Barton Creek Resort
Book now



Easy Vegetable Fertilizer for Home Gardening in Wicking...
AlboPepper - Drought Proof Urb...
91K views · 10 months ago



Self-watering SIP Sub-irrigated Raised Bed Construction (How...
AlboPepper - Drought Proof Urb...
1.8M views · 7 years ago



3 MUST HAVE shots for awesome intermediate (3.5)...

Soil tips:

The screenshot shows a Safari browser window on a Mac. The address bar shows 'youtube.com'. The YouTube page features a video player with a light blue background and the following text:

MANURE / COMPOST CAUTIONS:

- Raw manures may harbor pathogens.
- Bagged manures & composts may be high in salts.
- Fine silty particles can reduce pore spacing.
- Homemade compost may work, especially wood based, with larger particle size.

The video player shows a progress bar at 3:27 / 4:31. Below the video, the title is 'Self-watering Planter Basics: How to Design DIY Gardening, Sub-irrigated, Wicking Beds (Albopepper)' by 'AlboPepper - Drought Proof Urban...' with 124K subscribers. The video has 70K views and was posted 4 years ago. The sidebar on the right contains an advertisement for '50% Off Today' from 'shopdishwashercleaner.com', a category filter for 'Raised-bed gardening' and 'Container garden', and several video recommendations including 'Family-Friendly Austin Resort', 'Easy Vegetable Fertilizer for Home Gardening in Wicking...', 'SIP Raised Beds (SELF-WATERING)', and '3 MUST HAVE shots for awesome intermediate (3.5)...'. The macOS dock is visible at the bottom with various application icons.



Self-watering SIP Sub-irrigated Raised Bed Construction (How to Build)

AlboPepper - Drought Proof Ur...
124K subscribers

Subscribe

23K



Share

Clip



1.8M views · 7 years ago · SIPs: Sub-Irrigated, Self-watering Raised Beds & Containers

GET UP TO 51% OFF

Face Care
Ad · lp.theskinresearch.com

Order now

All Raised-bed gardening Flowerpots Re >

28-DAY MILITARY WORKOUT FOR SENIORS

45-55

Ad · BetterMe

Visit site

Military Workout For Seniors
The Military Workout Challenge. Take A Quiz And Get Personal Program

SIP Raised Bed Update 1

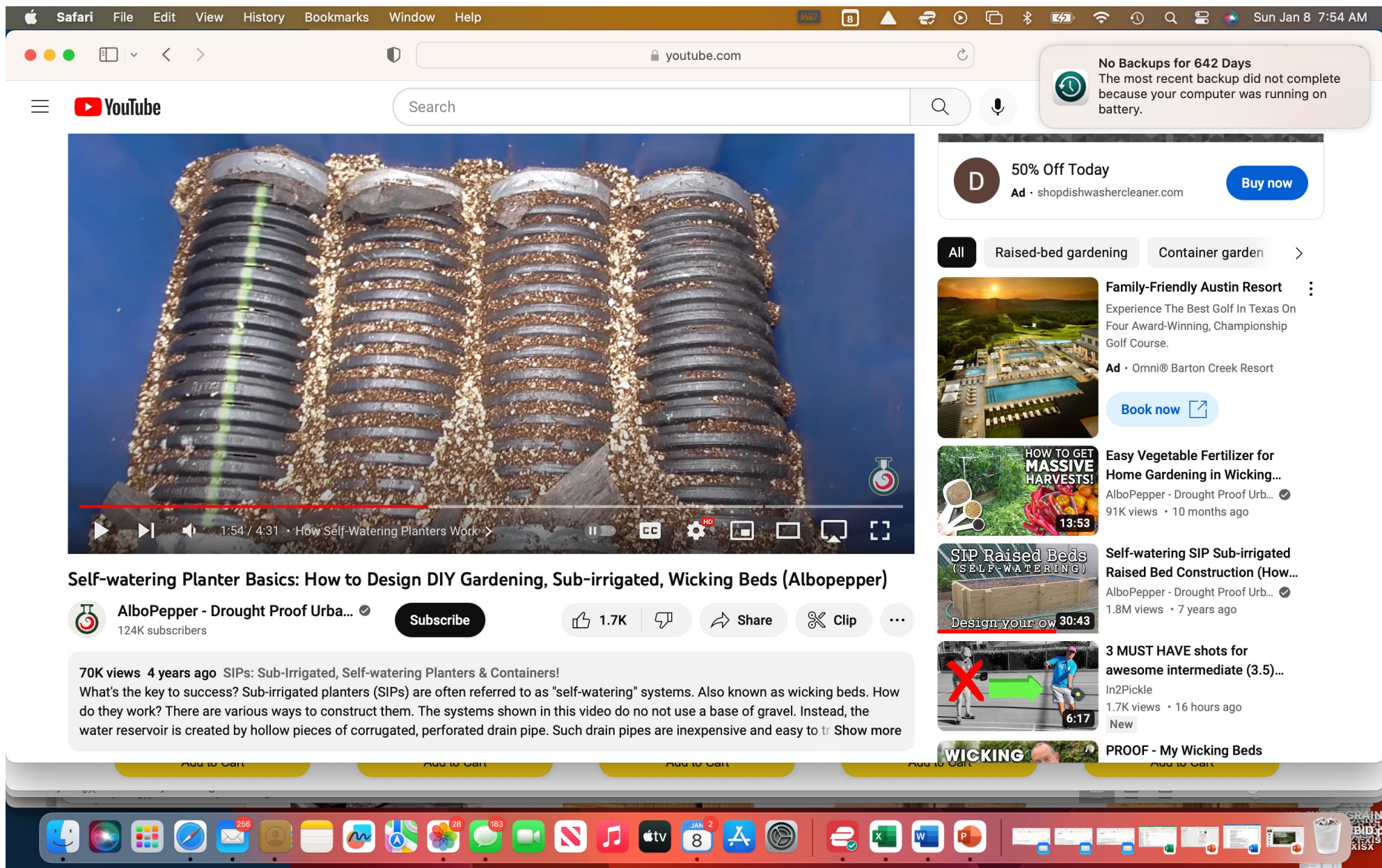
Rainy Periods & Moisture Levels 14:09

SIP Raised Bed (Update 1) + Self-Watering Containers +...
AlboPepper - Drought Proof Urb...
72K views · 7 years ago

SELF WATERING!

14:03

Stylish, self watering raised garden beds! How to build
The Bite Sized Garden
3.9K views · 1 month ago



No Backups for 642 Days
The most recent backup did not complete because your computer was running on battery.

D 50% Off Today
Ad · shopdishwashercleaner.com [Buy now](#)

All Raised-bed gardening Container garden >

Family-Friendly Austin Resort
Experience The Best Golf In Texas On Four Award-Winning, Championship Golf Course.
Ad · Omni@ Barton Creek Resort
[Book now](#)

HOW TO GET MASSIVE HARVESTS!
Easy Vegetable Fertilizer for Home Gardening in Wicking...
AlboPepper - Drought Proof Urban...
91K views · 10 months ago

SIP Raised Beds (SELF-WATERING)
Self-watering SIP Sub-irrigated Raised Bed Construction (How...
AlboPepper - Drought Proof Urban...
1.8M views · 7 years ago

3 MUST HAVE shots for awesome intermediate (3.5)...
In2Pickle
1.7K views · 16 hours ago
New

WICKING PROOF - My Wicking Beds

Self-watering Planter Basics: How to Design DIY Gardening, Sub-irrigated, Wicking Beds (Albopepper)

AlboPepper - Drought Proof Urban...
124K subscribers [Subscribe](#)

1.7K [Share](#) [Clip](#)

70K views 4 years ago SIPs: Sub-Irrigated, Self-watering Planters & Containers!
What's the key to success? Sub-irrigated planters (SIPs) are often referred to as "self-watering" systems. Also known as wicking beds. How do they work? There are various ways to construct them. The systems shown in this video do not use a base of gravel. Instead, the water reservoir is created by hollow pieces of corrugated, perforated drain pipe. Such drain pipes are inexpensive and easy to tr Show more

ADDING SOIL...

SMALL PINE BARK MULCH, MOISTURE CONTROL AND REGULAR POTTING SOIL, TOTALING 24 CU. FT/BOX.



WOOD WAS TREATED PRIOR TO ASSEMBLY WITH CLEAR STAIN TO PROVIDE WATER RESISTANCE.

No Backups for 642 Days
The most recent backup did not complete because your computer was running on battery.



Search



Self-watering Planter Basics: How to Design DIY Gardening, Sub-irrigated, Wicking Beds (Albopepper)

AlboPepper - Drought Proof Urb...
124K subscribers

Subscribe

1.7K likes, Share, Clip, ...

70K views 4 years ago SIPs: Sub-Irrigated, Self-watering Planters & Containers!
What's the key to success? Sub-irrigated planters (SIPs) are often referred to as "self-watering" systems. Also known as wicking beds. How do they work? There are various ways to construct them. The systems shown in this video do not use a base of gravel. Instead, the water reservoir is created by hollow pieces of corrugated, perforated drain pipe. Such drain pipes are inexpensive and easy to t...

50% Off Today
Ad · shopdishwashercleaner.com Buy now

Raised-bed gardening Container garden

Family-Friendly Austin Resort
Experience The Best Golf In Texas On Four Award-Winning, Championship Golf Course.
Ad · Omni@ Barton Creek Resort Book now

Easy Vegetable Fertilizer for Home Gardening in Wicking...
AlboPepper - Drought Proof Urb...
91K views · 10 months ago

SIP Raised Beds (SELF-WATERING)
Self-watering SIP Sub-irrigated Raised Bed Construction (How...
AlboPepper - Drought Proof Urb...
1.8M views · 7 years ago

3 MUST HAVE shots for awesome intermediate (3.5)...
In2Pickle
1.7K views · 16 hours ago

WICKING PROOF - My Wicking Beds

POURING THE SIDEWALK AND STAIRS







No Backups for 642 Days
 The most recent backup did not complete because your computer was running on battery.



Search



Self-watering SIP Sub-irrigated Raised Bed Construction (How to Build)

AlboPepper - Drought Proof Ur...
 124K subscribers

[Subscribe](#)

[23K](#) [Share](#) [Clip](#)

GET UP TO 51% OFF

Face Care
 Ad · lp.theskinresearch.com

[Order now](#)

All Raised-bed gardening Flowerpots

Military Workout For Seniors
 The Military Workout Challenge. Take A Quiz And Get Personal Program

Ad · BetterMe

[Visit site](#)

SIP Raised Bed (Update 1) + Self-Watering Containers +...
 AlboPepper - Drought Proof Urb...
 72K views · 7 years ago

Stylish, self watering raised garden beds! How to build
 The Bite Sized Garden
 3.9K views · 1 month ago

**SOME OF
THESE DIDN'T
EVEN MAKE IT
A WEEK
BEFORE WE
GOT A HARD
FROST –
HAD TO START
OVER.**



On the right is a moisture meter to measure how wet the soil is at a depth of 6-10”.

**French radish, beets, peppers, bush beans.
Marigolds are said to keep the deer and sheep away**



**GREEN BEANS, PEPPERS, SNAP PEAS ON THE LEFT,
AND BUSH BEANS, VEG, CHIVES AND A FEW
FLOWERS ON THE RIGHT.**



A VISITING CICADA...



LOVELY FRENCH RADISHES – MY FIRST HARVEST!



COTTON NETTING FOR CLIMBING SNAP PEAS AND BEANS



Early spinach



Banana peppers



Morning glories give the bean foliage some color



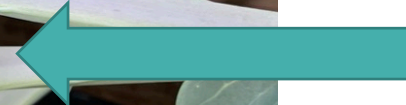
Peak of the season



HOMEGROWN DINNER



THE SECOND YEAR ...BRUSSELS SPROUTS. Aphids attacked!



Baby sprouts

Holiday deco 2022

