

Vineyard Tilling: Option to Spraying-Maybe

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January 25th, 2021



Why Till?

- 🍇 Tilling is an option in sustainable growing practices
- 🍇 Often used to simply level ruts that may occur
- 🍇 Typically it should be done at a shallow depth, so as not to destroy soil structure.
- 🍇 As part of a sustainable program, it is used as an option to chemical weed control



Year 2 Growth

Tilling alongside

What Tilling Devices Can We Use?



Rototiller

- Least aggressive tool to soil structure
- Is effective for working the top few inches of the topsoil
 - Horizontal
 - Vertical

What does Tilling Do?



Destroys perennials that have become resistant to sprays



What does Tilling Do?



Destroys habitat for invasive insects

What does Tilling Do?



Changes soil structure



Helps incorporate fertilizer and or plant matter

What does Tilling Do?



Allows for reintroduction of a cover crop

Draw Back of Tilling



Will interrupt natural movement of nutrients and water for a period of time

Tilling is an option to consider



Article:



“To Till or Not to Till? A Deep Dive on Tillage in Vegetable Crops”

Nov. 30th, 2020 by Natalie Hoidal, Ext. Edu.

University of Minnesota Extension Fruit and Vegetable News

Thank you!

Any questions or comments?



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