Mycorrhizal Fungi Role in Nutrient Acquisition

Laney Williams

University of Vermont
Department of Biology
Burlington, VT 05401 USA

ilana.williams@uvm.edu

1 March 2021

Overview

Nutrients transported by Mycorrhizal Fungi
    Nitrogen, phosphorus...

Focus on nitrogen transported by ericoid mycorrhizal fungi

types of mycorrhizal fungi

- arbuscular
- ectomycorrhizal
- ericoid
- orchidaceous
- monotropoid

Questions

- How does ericoid mycorrhizal fungi enhance growth traits of V. corymbosum?

Questions

- ▶ How does ericoid mycorrhizal fungi enhance growth traits of V. corymbosum?
- ▶ How does EMF compensate in a nutrient lacking soil environment?

Questions

- How does ericoid mycorrhizal fungi enhance growth traits of V. corymbosum?
- How does EMF compensate in a nutrient lacking soil environment?
- Are there differences between local and commercial innoculums?

Highbush blueberry

Table

Treatments	Response 1	Response 2
Treatment 1	0.0003262	0.562
Treatment 2	0.0015681	0.910
Treatment 3	0.0009271	0.296

Table: Table caption

Paragraphs of Text

Sed iaculis dapibus gravida. Morbi sed tortor erat, nec interdum arcu. Sed id lorem lectus. Quisque viverra augue id sem ornare non aliquam nibh tristique. Aenean in ligula nisl. Nulla sed tellus ipsum. Donec vestibulum ligula non lorem vulputate fermentum accumsan neque mollis.

Sed diam enim, sagittis nec condimentum sit amet, ullamcorper sit amet libero. Aliquam vel dui orci, a porta odio. Nullam id suscipit ipsum. Aenean lobortis commodo sem, ut commodo leo gravida vitae. Pellentesque vehicula ante iaculis arcu pretium rutrum eget sit amet purus. Integer ornare nulla quis neque ultrices lobortis. Vestibulum ultrices tincidunt libero, quis commodo erat ullamcorper id.

Blocks of Highlighted Text

Block 1
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer lectus nisl, ultricies in feugiat rutrum, porttitor sit amet augue. Aliquam ut tortor mauris. Sed volutpat ante purus, quis accumsan dolor.

Block 2
Pellentesque sed tellus purus. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Vestibulum quis magna at risus dictum tempor eu vitae velit.

Block 3
Suspendisse tincidunt sagittis gravida. Curabitur condimentum, enim sed venenatis rutrum, ipsum neque consectetur orci, sed blandit justo nisi ac lacus.
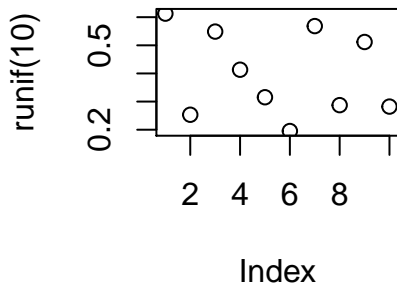
Embedded R Code; `fragile` frame

```r
# show some output...
runif(10)
```

```
##  [1] 0.23772922 0.18524737 0.94531123 0.75201144 0.8
##  [7] 0.32206012 0.07873980 0.11492265 0.09896463
```

Embedded R Figure; `fragile` frame

Multiple Columns

Heading

1. Statement
2. Explanation
3. Example

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer lectus nisl, ultricies in feugiat rutrum, porttitor sit amet augue. Aliquam ut tortor mauris. Sed volutpat ante purus, quis accumsan dolor.

Theorem

Theorem (Mass–energy equivalence)
$E = mc^2$

Verbatim

Example (Theorem Slide Code)

```
\begin{frame}
\frametitle{Theorem}
\begin{theorem}[Mass--energy equivalence]
$E = mc^2$
\end{theorem}
\end{frame}
```

The End