



# Soybean Growth Stages



OSU EXTENSION  
4-H YOUTH DEVELOPMENT

Image: Image by [Charles Echer](#) from [Pixabay](#)

# What do plants need to grow?

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Image: Image by [OpenClipart-Vectors](#) from [Pixabay](#)

# What do plants need to grow?

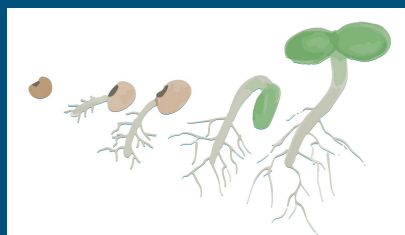
## Plants Need:

- Sunlight
- Water
- Air
- Warmth (proper temperature)
- Nutrients (food)



Sun Image: Image by [OpenClipart-Vectors](#) from [Pixabay](#)

# Soybean Growth Stages...



**Germination/Emergence**



**Vegetation**



**Reproduction**



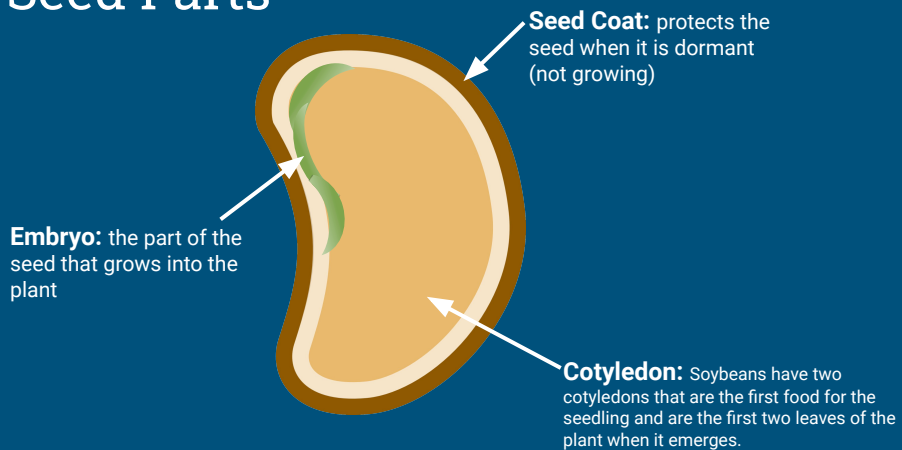
**Maturity**

Soybean Image: Image by [Julio César García](#) from [Pixabay](#)

Soybean Growth Stages Information Source:

<https://ksagclassroom.org/ksresource/soybean-growth/>

# Soybean Seed Parts



Info:

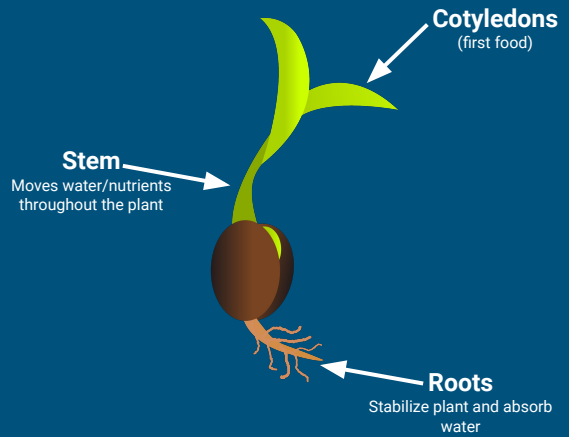
<https://extension.psu.edu/programs/4-h/opportunities/programs/at-home-activities/diss-ect-a-seed>

# Germination



Germination: the development of a plant from a seed or spore after a period of dormancy.

When a seed is exposed to appropriate temperatures and water, its period of rest (dormancy) is broken and a plant can begin to develop.



Soybean Seed Image: Image by [Jing](#) from [Pixabay](#)

Bean Seed Illustration: Image by [Ciker-Free-Vector-Images](#)

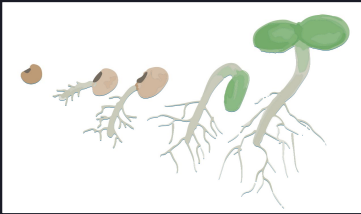
Germination Illustration: Image by [OpenClipart-Vectors](#) from [Pixabay](#)

# Emergence

The cotyledons (energy source) are pushed up through the soil.



Now I can see the plant!



Emergence Image: Image by [Julio César García](#) from [Pixabay](#)  
Magnifying Glass: Image by [TheUjulala](#) from [Pixabay](#)

# Vegetation

Leaves develop along the stem.



Soybean Vegetation Image- multiple rows: Image by [Claudio Correia](#) from [Pixabay](#)

Soybean Vegetation Image- singular row: Image by [Julio César García](#) from [Pixabay](#)



# Reproduction

Flowers begin to bloom and pollination occurs. The pods begin to develop and appear green at this time.



Flower Image: Image by [Julio César García](#) from [Pixabay](#)  
Pod Image: Image by [Julio César García](#) from [Pixabay](#)

# Maturity

The pods now have fully developed seeds. The plant turns brown and dies- it is now harvested!



Mature Soybean Image w/sky: Image by [Alex Norris](#) from [Pixabay](#)

Mature Soybean Image: Image by [Joao Batista Moraes de Oliveira JB](#) from [Pixabay](#)