**It’s all about the W with cultivation problems, 4.00 P:3**

Fill out the following chart (using complete sentences) for one insect, one disease and one cultural disorder. Each one must be found from an article within Grower Talks. Attach a photograph of the article and an image of the insect, disease or cultural disorder. Print and include in your portfolio.

**Insect**

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| **Who?** The scientific name of the organism and the common name of the organism. |  |
| **What?** What type of mouthpart? What does the insect look like when it causes damage? |  |
| **When?** What is its lifecycle? When during its life cycle does it cause the most damage? |  |
| **Where?** Where do damage symptoms occur on the plant? Where does the insect live in the greenhouse? Where does the insect reproduce? |  |
| **Why?** Why is this a problem for greenhouse growers? |  |
| **How?** How do you control or prevent this insect? What are the IPM (integrated pest management) techniques that can be applied? |  |

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| **Insect photograph** | **Article Photograph** |
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| **Article Citation** |
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**Disease**

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| **Who?** The scientific name of the organism and the common name of the organism. |  |
| **What?** What type of disease causing organism is this- bacterial, viral, parasitic, and fungal? |  |
| **When?** What is its lifecycle? Describe it cause the most damage. |  |
| **Where?** Where do symptoms of the disease occur on the plant? Where does the disease overwinter or lay dormant? Where in the greenhouse are symptoms most commonly found? |  |
| **Why?** Why is this a problem for greenhouse growers? |  |
| **How?** How do you control or prevent this disease? What are the IPM (integrated pest management) techniques that can be applied? |  |

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| **Disease photograph** | **Article Photograph** |
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| **Article Citation** |
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**Cultural Problems**

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| **Who?** Who is this cultural problem? |  |
| **What?** What are the symptoms and damage of this cultural problem? |  |
| **When?** When does the cultural problem most commonly occur? |  |
| **Where?** Where is this cultural problem most commonly found in the greenhouse? |  |
| **Why?** Why is this a problem for greenhouse growers? |  |
| **How?** How do you control or prevent this disease? What are the cultural problem? |  |

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| **Cultural problem photograph** | **Article Photograph** |
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| **Article Citation** |
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