**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**

|  |  |
| --- | --- |
| **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? |   |

|  |  |
| --- | --- |
| **Insect photograph** | **Article Photograph** |
|  |  |

|  |
| --- |
| **Article Citation** |
|  |

**Disease**

|  |  |
| --- | --- |
| **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? |   |

|  |  |
| --- | --- |
| **Disease photograph** | **Article Photograph** |
|  |  |

|  |
| --- |
| **Article Citation** |
|  |

**Cultural Problems**

|  |  |
| --- | --- |
| **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? |   |

|  |  |
| --- | --- |
| **Cultural problem photograph** | **Article Photograph** |
|  |  |

|  |
| --- |
| **Article Citation** |
|  |