**Food Security**

Complete the table by cutting and pasting the statements into the correct places.

|  |  |  |
| --- | --- | --- |
|  | Risk factors Page 98 | Solutions Page 116 |
| Water Scarcity | Massive amounts of water needed for agriculture, industry, recreation as well as for households  When there is not enough water, food security is at risk  Competition for water can lead to shortages | Better methods of measuring soil moisture and delivering water to plants and animals as needed is helping to reduce poor water management techniques and improve results in crops and livestock numbers |
| Climate Change and  Soil degradation | Climate change causes more extreme weather, cyclones, droughts, bushfires which affect food security.  Effects of climate change include rising global temperatures which can affect changes in levels of rainfall.  Reduce ploughing  Over ploughing, fertilizing, clearing natural vegetation, over irrigation and draining have stripped soil of nutrients. This has resulted in less crop yield and pasture for livestock  This impacts on ability to grow crops and animals | Growing plants that return nutrients to soil  Adding protective layer of mulch (organic material) |
| Threats from non-native plants, animals, insects | Exotic animals introduced into an area can have devastating effects on the natural environment (biome).  This puts food security at risk from invasions of pests. Eg locusts | Move away from pesticides and harmful effects to more natural methods of pest control. Eg. ladybirds |