

# Invasive Species Monitoring



Why

Where

How

# Effects of Invasive Species on Ecosystems



# *Invasive Plant Species Monitoring*

- Inventory existing and new infestations of noxious weeds every year;
- Inventory data stored in NRIS-TESP/IS;
  - Standard corporate database and computer applications for field users;
  - Minimum data requirements up to highly detailed data;
  - Protocol based on single spp. inventory – presence, location, extent, abundance, and other characteristics of infestation.
  - Standardized reports;
  - Date inventoried; species; % canopy cover;
  - FS has adopted International Data Standards for the Inventory, Mapping, and Monitoring of Invasive Plants. NAWMA 2001.

# *Invasive Plant Species Monitoring*

- Treatment data stored in FACTS;
  - Implementation and monitoring of treatments;
  - Accountability and standardized reporting;
  - Date accomplished; method; equipment; funding; cost/ac; cooperators; # units planned/accomplished; bio-control or chemical agent used; treatment area; efficacy;
- Protocols supported electronically through the use of portable data records; GPS units; tablets; paper field forms; maps;