

TNTmap

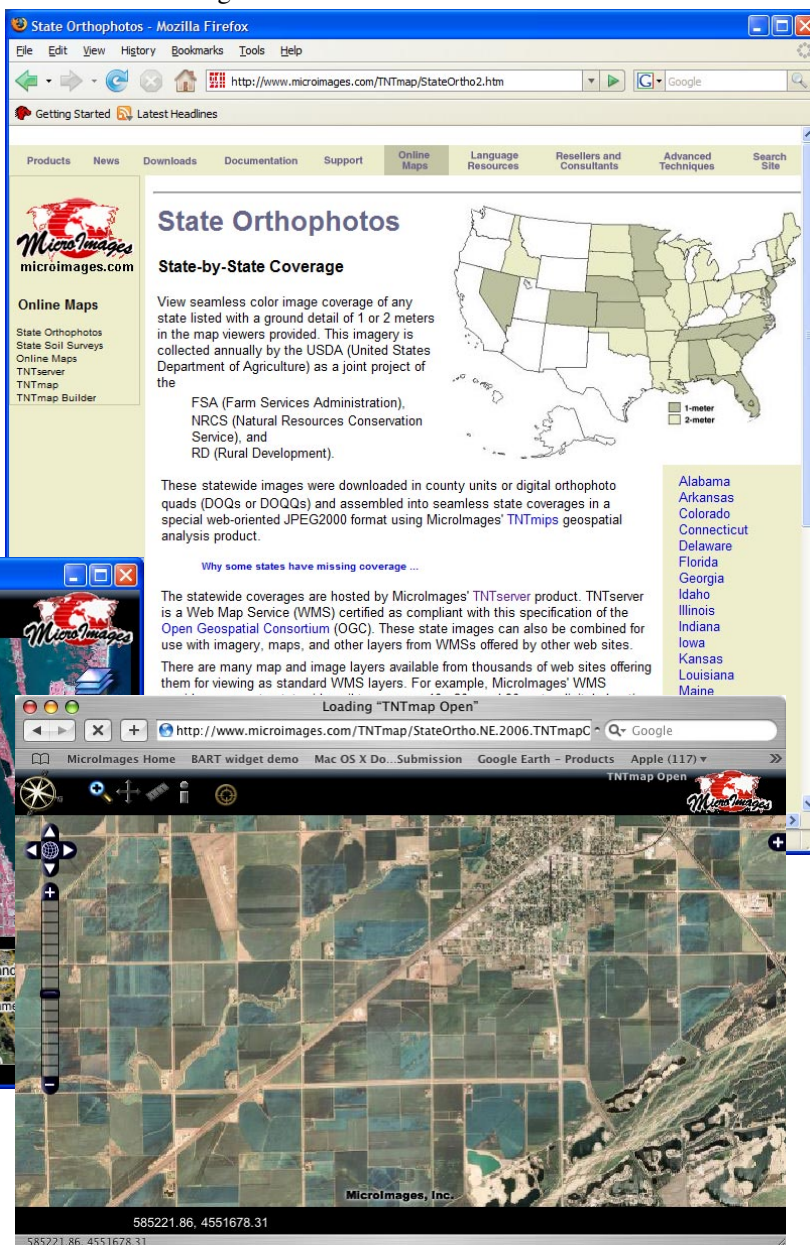
Seamless Statewide Orthophotos

MicroImages' collection of online maps includes seamless orthophoto coverage of many states at 1- and/or 2-meter resolution. These image rasters when uncompressed range in size from 100 gigabytes to 1 terabyte depending on the size of the state and the resolution of the imagery. The United States Department of Agriculture (USDA) collects this imagery annually for the National Agricultural Imagery Program (NAIP), which is a joint project of the Farm Services Administration (FSA), Natural Resources Conservation Service (NRCS), and Rural Development (RD). Most imagery was downloaded from the USDA's Geospatial Data Gateway (datagateway.nrcs.usda.gov) in county-size units or as digital ortho quadrangles (DOQs or DOQQs) in MrSID 15:1 lossy-compressed format, mosaicked in TNTmips, and converted to a multiframe (see the Technical Guide entitled *System: Using the Multiframe Raster Object*) with 15:1 JPEG2000 compression for no change in image detail, or resolution, and for optimal web viewing. Depending on the state, MicroImages may offer imagery from more than one year, which may be at different resolutions. Most are natural color orthophotos, but color infrared is also offered (currently only for Florida).

MicroImages has published these statewide rasters as Web Map Service (WMS) layers using its TNTserver software. Thus, the images can be viewed with any WMS viewer by accessing <http://publicatlas.microimages.com/states.cgi/states.cgi?>. MicroImages has also prepared context files for each state you can access by clicking on a state name on the web page illustrated at the right. Clicking on the link to a context file will launch one of four WMS viewers showing the full extents of the state you selected. Your

viewer choices from each state page are Google Maps, Google Earth, TNTmap Viewer, and TNTmap Open. You have to have Google Earth installed to open the context designed for it, but the other three viewers run in your browser (Firefox, Internet Explorer, Safari, or Opera) without any additional requirements. These WMS layers can also be viewed in combination with other WMS layers selected from MicroImages' or any other WMS site using TNTmap Builder, MicroImages' free WMS browser (www.microimages.com/TNTmap).

This posting of statewide imagery is an ongoing task at MicroImages. Check periodically for the availability of imagery for additional states, coverage years, resolutions, and types at microimages.com.



The 1-meter, color-infrared imagery of Florida from 2004 is shown in TNTmap's implementation of Google Maps above. The Florida orthophotos were downloaded from the Florida Department of Environmental Protection. A portion of the 2-meter, natural-color imagery of Nebraska from 2006 is shown in TNTmap Open (right).