ITP's Mobile App Series
Grasshoppers of the Western U.S.

The ITP team (USDA/APHIS) announces the release of their Lucid Mobile app *Grasshoppers of the Western U.S.* Developed in cooperation with Australia's Identic team, the app is based on ITP's recently released web-based tool, *Grasshoppers of the Western U.S., Edition 4* (http://idtools.org/).
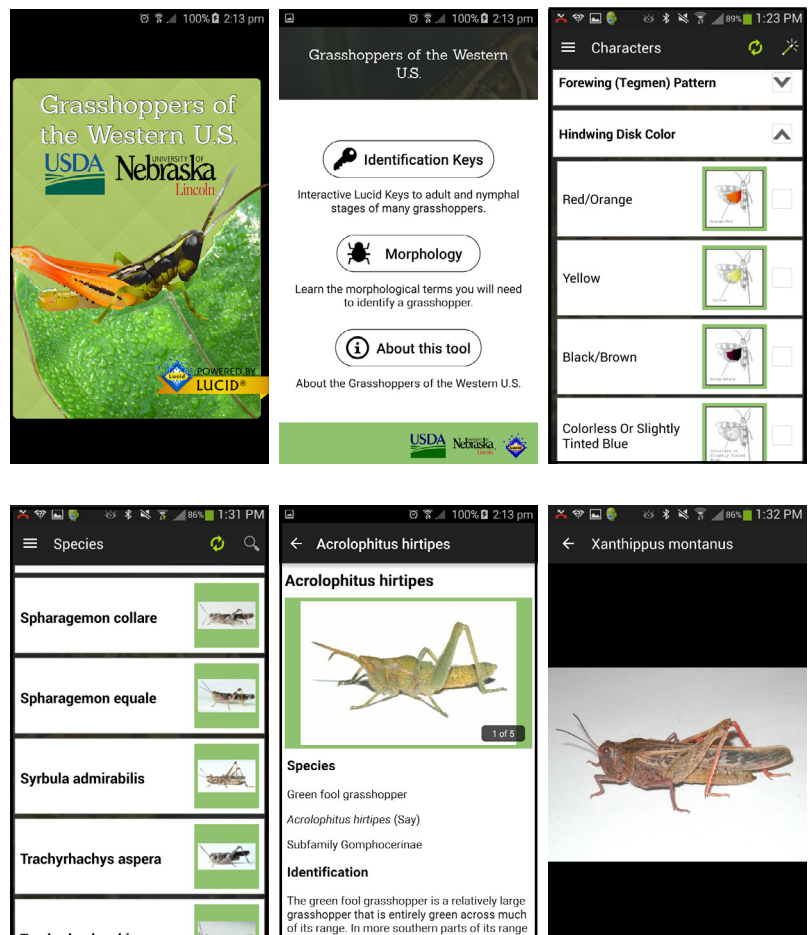
Lucid Mobile takes full advantage of all the conventions and functionalities you have grown accustomed to on your mobile device, while supporting the features you value in desktop Lucid keys. You can now carry Lucid keys with you into the field for surveys, screening, and identification on your mobile devices without requiring internet access.

Grasshoppers of the Western U.S. app offers keys to identify both adult and pre-adult stages for many of the most commonly encountered grasshoppers in the western U.S. The adult key facilitates the identification of 76 species of adult grasshoppers. All species included are in the family Acrididae with the exception of one, *Brachystola magna*, which is in the family Romaleidae. The keys are designed for people with varying degrees of knowledge identifying grasshoppers, from the general enthusiast to research scientist.

Grasshoppers of the Western U.S. Lucid Mobile app is available at no cost for the iPhone, iPad, and Android mobile devices. View ITP apps at the following sites.

- USDA APHIS @ iTunes App Store
- ITP @ Google Play Store

For technical questions concerning Lucid Mobile, contact Identic (enquiries@lucidcentral.org). For questions or comments about ITP's mobile apps, contact Terrence Walters (itp@aphis.usda.gov).

Screenshots from ITP's Lucid Mobile app, Grasshoppers of the Western U.S. *(upper left to lower right): Splash page; Landing page offering access to identification keys (adults and immatures); Feature page (for Adult key) showing states for hindwing disk color; Entities page showing taxa remaining after feature selection; Fact Sheet page; and an image view from the Fact Sheet page.*

About Lucid Mobile

Lucid Mobile is the latest software development from Identic (formerly CBIT, Univ. of Queensland, Australia). Over the past 15 years, this team has been developing, maintaining, and supporting the Lucid platform for developing identification and diagnostic tools. The Lucid Builder software allows taxonomists, agronomists, and other developers to combine their expert knowledge with multimedia and an easy to use interface to produce identification and diagnostic tools for use by a broad range of users. Previously, access to these Lucid keys has been via a CD, a DVD, or online. Now, Lucid Mobile provides a more readily accessible means of accessing Lucid keys – via mobile phones and tablets. The release of Lucid Mobile means that existing or new Lucid keys can now be converted to an easy to use and intuitive app, allowing identification and diagnostic knowledge and expertise to be carried around in your pocket and opens up the possibility for in-field identification and diagnostic support without requiring an internet connection. Lucid Mobile supports both Android and iOS platforms.

Identic has provided an excellent 3½ minute video at their website for first-time users of Lucid Mobile Android apps. If you are interested in learning more about Lucid Mobile, such as how to develop a Lucid Mobile key or how to use a Lucid Mobile app, visit Identic's Lucid Mobile page (http://www.lucidcentral.com/en-us/software/lucid3/lucidmobile.aspx).