

10/7/14 Update to add clarification in parentheses to Item 1 and to update the links in Items 1 and 2

Note: Additional updates may be provided following the 10/16/14 meeting

Recommendation for Use of Drinking Water Standards and Health Levels in ILRP Pesticides Prioritization for Monitoring

Use lowest applicable standard, health advisory, or health level in order of priority shown below:

1. First priority: use federal or state primary and secondary drinking water standards (Use lowest value): maximum contaminant levels (MCL)

See the following for Federal and California Drinking Water Standards:

http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/documents/dwdocuments/MCLsEPAvsDWP-2014-07-01.pdf

2. If drinking water standard is not available, use CA Notification Levels (NL) or Archived Advisory Levels (AAL)

See the following for CA NLs:

http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/documents/notificationlevels/notificationlevels.pdf

See the following for CA AALs:

http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/documents/notificationlevels/archivedadvisorylevels.pdf

See the following for more information on NLs and AALs:

http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/NotificationLevels.shtml

3. If NL or AAL is not available, use CA Public Health Goal (if PHG is available and MCL is not yet available) or EPA Health Advisory (HA). (Note: If there isn't an MCL, NL, or AAL, then there will likely not be a PHG available)

See the following for CA PHGs:

<http://www.oehha.org/water/phg/allphgs.html>

See the following for the 2012 Edition of the Drinking Water Standards and Health Advisories:

<http://water.epa.gov/action/advisories/drinking/upload/dwstandards2012.pdf>

See the following for additional information on Health Advisories:

<http://water.epa.gov/drink/standards/hascience.cfm>

4. If HA is used, consider both non-cancer risk and cancer risk, and select more protective (lower) number. For the purpose of the monitoring prioritization, use the following HAs: Lifetime (non-cancer) and Cancer Risk (Use 10^{-4} Cancer Risk column divided by 100 to arrive at 10^{-6} cancer risk. This level is recommended for comparability with OEHHA methodology for PHGs).

5. If HA is not available, use EPA Human Health Benchmark for Pesticides (HHBP). Consider non-cancer risk and cancer risk, and select more protective (lower) number. For the purpose of the monitoring prioritization, use the following HHBPs: Chronic or Lifetime HHBP (non-cancer) and Carcinogenic HHBP (Use 10^{-6} Cancer Risk).

See the following for EPA HHBPs:

<http://iaspub.epa.gov/apex/pesticides/f?p=HHBP:home>