

# Your lab results: Pyrethroids and 2, 4-D in urine

Your urine specimen was tested for 2,4-D herbicide and three pyrethroid metabolites: TDCCA, 3PBA, and 4F3PBA. Please refer to the pyrethroids fact sheets to learn about exposure sources, possible health effects from excessive exposure, and possible actions one can take to reduce excessive exposure to pyrethroids.

Species	Your result*	50 <sup>th</sup> percentile in the U.S.*	95 <sup>th</sup> percentile in the U.S.*
2,4-D	«Corr_24D»	0.301	1.55
TDCCA	«Corr_TDCCA»	< 0.6	4.37
3PBA	«Corr_3PBA»	0.384	5.44
4F3PBA	«Corr_4F3PBA»	< 0.1	< 0.1

\*The units for all results are µg/g creatinine.

<MRL indicates that levels were below the Minimum Reporting Level (also known as LOQ).

## Who and what can I compare the concentration of 2,4-D and Pyrethroids in my urine to?

- **The U.S. population:** these results are from the National Health and Nutrition Examination Survey (NHANES). This program measures chemicals in urine samples from a representative sample of the U.S. population.
  - **50<sup>th</sup> Percentile in the U.S.** In all of the urine testing in the U.S. participants, half had concentrations below, and half had concentrations above the listed value.
  - **95<sup>th</sup> percentile in the U.S.** In all of the urine testing in U.S. participants, 95% had concentrations below the listed value.

**IMPORTANT:** Comparisons to other participants in the U.S. population cannot tell us what concentration is of concern. These are provided so that you can compare your results to those of others in the U.S. and in your community.

