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California Environmental Protection Agency
Office of Environmental Health Hazard Assessment (OEHHA)

Dear Director, Dr. Lauren Zeise,

I am writing on behalf of mothers and consumers in America which request the review of glyphosate as a reproductive effector by OEHHA. We ask that you accurately list glyphosate on the Prop 65 list as a chemical which can cause reproductive damage, not just as a carcinogen.

Thank you for your evaluation of the following studies showing estrogenic, endocrine disrupting, and reproductive organ changes. There are many more studies on glyphosate herbicides, the final formulation also showing these effects, but we understand your policy is to only review the one chemical. We believe this is a faulty policy, as glyphosate is never used alone, and the final formulations should be assessed, but for now, scientists and we believe there is enough evidence to list glyphosate alone as a reproductive effector.

Thank you for the time it will take to do this review and for supporting the health of our great state and nation by doing this work you are so generously doing.

With Gratitude,

A handwritten signature in black ink that reads "Zen Honeycutt". The signature is written in a cursive style and is placed on a light gray rectangular background.

Zen Honeycutt
Founding Executive Director,
Moms Across America

Studies showing reproductive organ changes from exposure to glyphosate:

Compiled by scientist Michael Antoniou Biochemistry, BA (Oxon), University of Oxford (Hertford College) Ph.D, University of Reading.

Gasnier C, Dumont C, Benachour N, Clair E, Chagnon MC, Séralini GE. (2009) Glyphosate-based herbicides are toxic and endocrine disruptors in human cell lines. *Toxicology*. **262**: 184-191.

Thongprakaisang S, Thiantanawat A, Rangkadilok N, Suriyo T, Satayavivad J. (2013) Glyphosate induces human breast cancer cells growth via estrogen receptors. *Food Chem Toxicol*. **59**: 129-136.

Mesnager R, Phedonos A, Biserni M, et al. (2017) Evaluation of estrogen receptor alpha activation by glyphosate-based herbicide constituents. *Food Chem Toxicol*. **108**: 30-42.

Sritana N, Suriyo T, Kanitwithayanun J, Songvasin BH, Thiantanawat A, Satayavivad J. (2018) Glyphosate induces growth of estrogen receptor alpha positive cholangiocarcinoma cells via non-genomic estrogen receptor/ERK1/2 signaling pathway. *Food Chem Toxicol*. **118**: 595-607.

Paganelli A, Gnazzo V, Acosta H, López SL, Carrasco AE. (2010) Glyphosate-based herbicides produce teratogenic effects on vertebrates by impairing retinoic acid signaling. *Chem Res Toxicol*. **23**: 1586–1595.

Roy NM, Carneiro B, Ochs J (2016) Glyphosate induces neurotoxicity in zebrafish. *Environ Toxicol Pharmacol* **42**: 45–54.