





"It's tough to make predictions,  
especially about the future." – Yogi Berra

[illegible]

**From:** Kathryn Guyton [mailto:GuytonK@iarc.fr]  
**Sent:** Monday, June 01, 2015 2:09 PM  
**To:** Martin, Matt; Rusyn, Ivan  
**Subject:** Re: ToxRefDB question

Thank you, Matt!

I have a (hopefully) quick question regarding the rat study (Stout and Ruecker, MRID 41643801):

The ancient PDF (<http://www.epa.gov/pesticides/chemicalsearch/chemical/foia/cleared-reviews/reviews/103601/103601-263.pdf> ) mentions kidney effects— see attached; are these in ToxRefDB?

Thanks so much for taking a look.

Kate

**From:** <Martin>, Matt <[Martin.Matt@epa.gov](mailto:Martin.Matt@epa.gov)>  
**Date:** Monday 1 June 2015 19:46  
**To:** Kate Guyton <[guytonk@iarc.fr](mailto:guytonk@iarc.fr)>, "Rusyn, Ivan" <[IRusyn@cvm.tamu.edu](mailto:IRusyn@cvm.tamu.edu)>  
**Subject:** RE: ToxRefDB question

The most recent release of toxrefdb is actually on our toxcast data download page. Apologies but we have had some issues maintaining versioning.

<http://epa.gov/ncct/toxcast/data.html>

Animal Toxicity Studies: Effects & Endpoints (Toxicity Reference Database – ToxRefDB files)

The full database flat file is  
toxrefdb\_study\_tg\_effect\_endpoint\_AUG2014\_FOR\_PUBLIC\_RELEASE.csv

Let me know if you have issues finding the Glyphosate data in the files.

Thanks,

Matt

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Matt Martin, PhD  
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**From:** Kathryn Guyton [<mailto:GuytonK@iarc.fr>]  
**Sent:** Monday, June 01, 2015 12:25 PM  
**To:** Rusyn, Ivan; Martin, Matt  
**Subject:** ToxRefDB question

Dear Matt, Dear Ivan,

I hope you are both well. I have a basic (I.e., stupid) question on ToxRefDB. In searching on glyphosate, I arrive at the page below. It doesn't include all the studies mentioned in the draft, i.e., the study below. It also doesn't give the dose for the studies, or the effects....

Am I searching in the correct place/way? Any guidance appreciated.

Many thanks,

Kate

Stout & Ruecker, 1990

<other>StoutL, RueckerF (1990). Chronic Study of Glyphosate Administered In Feed To Albino Rats: Lab Project Number: Msl-10495: R.D. 1014. MRID 41643801. Peer reviewed by EPA. Available from <http://www.epa.gov/ncct/toxrefdb/></other>

<http://actor.epa.gov/actor/GenericChemical?casrn=1071-83-6>

|                     |                                                                                                                                                                                                                                                  |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Study Type:         |                                                                                                                                                                                                                                                  |
| Species:            | rat                                                                                                                                                                                                                                              |
| Year:               | 1987                                                                                                                                                                                                                                             |
| MRID:               | 40559401                                                                                                                                                                                                                                         |
| Study Deficiencies: | Classified as an acceptable dose range-finding study for a subsequent chronic study. Deficiencies: clinical chemistries only performed once and on a small number of animals, pancreas not histologically examined at low- and mid-dosage levels |
| Citation:           | Stout, L.; Johnson, C. (1987) 90-day Study of Glyphosate Adminis- tered in Feed to Sprague/Dawley Rats: Proj. ID ML-86-351/EHL 86128. Unpublished study prepared by Monsanto Agricultural Co. 267 p.                                             |
| Data Quality:       | Acceptable Guideline (pre-1998)                                                                                                                                                                                                                  |
| Guideline No:       | 870.3100                                                                                                                                                                                                                                         |

Guideline Name:  
Strain: Sprague Dawley  
Admin Method: Feed  
Admin Route: Oral  
Start: 0  
Start Unit: day  
End: 3  
End Unit: month  
Lot/Batch No: XLG161  
Purity: 95.21  
Duration Comments:  
Animal/Dosing Comments:

Study Type: DEV  
Species: rabbit  
Year: 1980  
MRID: 46363  
Study Deficiencies:  
Citation: Rodwell, D.E.; Tasker, E.J.; Blair, M.; Et Al. (1980) Teratology Study In Rabbits: Irdc No. 401-056. (Unpublished Study Received May 23, 1980 Under 524-308; Prepared By International Research And Development Corp., Submitted By Monsanto Co., Washington, D  
Data Quality: Acceptable Guideline (pre-1998)  
Guideline No: 870.3700  
Guideline Name: Prenatal developmental toxicity study  
Strain: Dutch

Admin Method:  
Admin Route: Oral  
Start: 6  
Start Unit: GD  
End: 27  
End Unit: GD  
Lot/Batch No: XHJ-64  
Purity: 98.7  
Duration Comments: Cesarean on GD 28.  
Animal/Dosing  
Comments: Rabbit: Dutch Belted.

Study Type: DEV  
Species: rat  
Year: 1980  
MRID: 46362  
Study Deficiencies:  
Citation: Rodwell, D.E.; Tasker, E.J.; Blair, A.M.; Et Al. (1980) Teratology Study In Rats: Irdc No. 401-054. (Unpublished Study Including Irdc No. 999-021; Received May 23, 1980 Under 524-308; Prepared By International Research And Development Corp., Submitted By  
Animal/Dosing

Data Quality:  
Guideline No: 870.3700  
Guideline Name: Prenatal developmental toxicity study  
Strain: Sprague Dawley  
Admin Method: Gavage/Intubation  
Admin Route: Oral  
Start: 6  
Start Unit: GD  
End: 19  
End Unit: GD  
Lot/Batch No: XHJ-64  
Purity: 98.7  
Duration Comments:  
Comments: Rats: COBS SD CD

Study Type: MGR  
Species: rat  
Year: 1990  
MRID: 41621501



Study Deficiencies:

Citation: Reyna, M. (1990) Two Generation Reproduction Feeding Study with Glyphosate in Sprague-Dawley Rats: Lab Project No: MSL-10387. Unpublished study prepared by Monsanto Agricultural Co. 1158 p.

Data Quality: Acceptable Guideline (pre-1998)

Guideline No: 870.3800

Guideline Name: Reproduction and fertility effects

Strain: Sprague Dawley

Admin Method: Feed

Admin Route: Oral

Start: 11

Start Unit: weeks (premating)

End: 2

End Unit: generation

Lot/Batch No: XLI-203

Purity: 97.67

Duration Comments:

Animal/Dosing: Dose; ppm converted to mg/kg/day using conversion factor 1 ppm:0.05 mg/kg/day

Comments:

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