Weed Resistance in MN & ND

By Jeff Stachler, Ph.D.

9-27-13
Areas and counties of ND and MN having confirmed and suspected glyphosate-resistant weeds

- Gly-R common ragweed
- Gly-R giant ragweed
- Gly-R waterhemp

Black symbols: confirmed resistant cases; Blue: highly suspected
Areas and counties of ND and MN having confirmed and suspected glyphosate-resistant weeds

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◆ Gly-R common ragweed
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★ Gly-R waterhemp
Areas and counties of ND and MN having confirmed and suspected glyphosate-resistant weeds

< 5% soybean fields gly-R C. Rag.

40 to 75% all fields have gly-R G. Rag. & 20 to 40% all fields have gly-R waterhemp

- Gly-R common ragweed
- Gly-R giant ragweed
- Gly-R waterhemp

5 to 20% all fields gly-R waterhemp

15 to 40% all fields gly-R C. Rag.

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2009

25 to 40% soybean fields gly-R C. Rag.

30 to 40% soybean fields gly-R C. Rag.

30 to 95% all fields have gly-R G. Rag.

5 to 20% all fields gly-R waterhemp

10 to 30% soybean fields gly-R C. Rag.

30 to 60% all fields gly-R G. Rag.

Gly-R common ragweed

Gly-R giant ragweed

Gly-R waterhemp

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- 50 to 95% all fields have gly-R G. Rag.
- 5 to 90% all fields gly-R waterhemp
- 30 to 60% all fields gly-R C. Rag.
- 25 to 40% soybean fields gly-R C. Rag.
- 30 to 90% all fields have gly-R waterhemp
- 10 to 40% soybean fields gly-R C. Rag.

Gly-R common ragweed
Gly-R giant ragweed
Gly-R waterhemp

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5 to 50% soybean fields gly-R C. Rag.

5 to 95% all fields gly-R waterhemp

70 to 95% all fields gly-R C. Rag.

30 to 60% all fields gly-R C. Rag.

5 to 95% all fields gly-R G. Rag. & waterhemp

70 to 95% all fields have gly-R waterhemp

60 to 95% all fields have gly-R G. Rag.

Gly-R horseweed / marestail

Gly-R kochia

Gly-R common ragweed

Gly-R giant ragweed

Gly-R waterhemp

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47% of 66 2012 kochia samples confirmed R

5 to 60% all fields have gly-R kochia

15 to 90% soybean fields gly-R C. Rag.

5 to 95% all fields gly-R waterhemp

Black symbols: confirmed resistant cases; Blue: highly suspected

Gly-R horseweed / marestail
Gly-R kochia
Gly-R common ragweed
Gly-R giant ragweed
Gly-R waterhemp

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- Gly-R horseweed / marestail
- Gly-R kochia
- Gly-R common ragweed
- Gly-R giant ragweed
- Gly-R waterhemp

Black symbols: confirmed resistant cases; Blue: highly suspected

- 5 to 95% all fields gly-R kochia
- 10 to 90% soybean fields gly-R C. Rag.
- 5 to 95% all fields gly-R waterhemp

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