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Overall the report is well done and quite informative. A few minor considerations are outlined below.

p. 109, l. 5 – the existing wording “...useful in informing the process of adaptive management of hypoxia, we ...” seems very awkward to me. I suggest the following wording: “... useful for developing adaptive management to mitigate hypoxia, we ...”

p. 168, l. 32 – delete the first “the”

p. 168, l. 34 – use soybean instead of soybeans – i.e. delete the “s”

p. 169, l. 2 – here and in prior discussions about using cover crops and/or intercropping, it’s probably important to acknowledge that for more than 50 years, producers have worked to eliminate “weeds” from row crops and for many producers, inter-seeding cover crops would seem like they are going backwards with regard to plant competition with their primary crop. Implementing this technology may also require equipment modifications or even a return to attachments that have been long gone (e.g. “grass knives” on corn headers). Anyway, the authors may want to acknowledge that substantial systems research and education will be required to develop and implement such practices.

p. 181, l. 6 – **BIGGEST CONCERN** – there is a typo here that needs to be corrected. The depth numbers should be “10 to 15 cm (centimeters)” or (4 to 6 inches)

p. 202 – this section again uses “soybeans” rather than soybean in several places. Use a global search and replace.

Finally, I especially like the emphasis on changing cropping systems, but that is going to require a major shift in marketing and infrastructure of American agriculture.