

Update on EWMA all versus EWMA original 13

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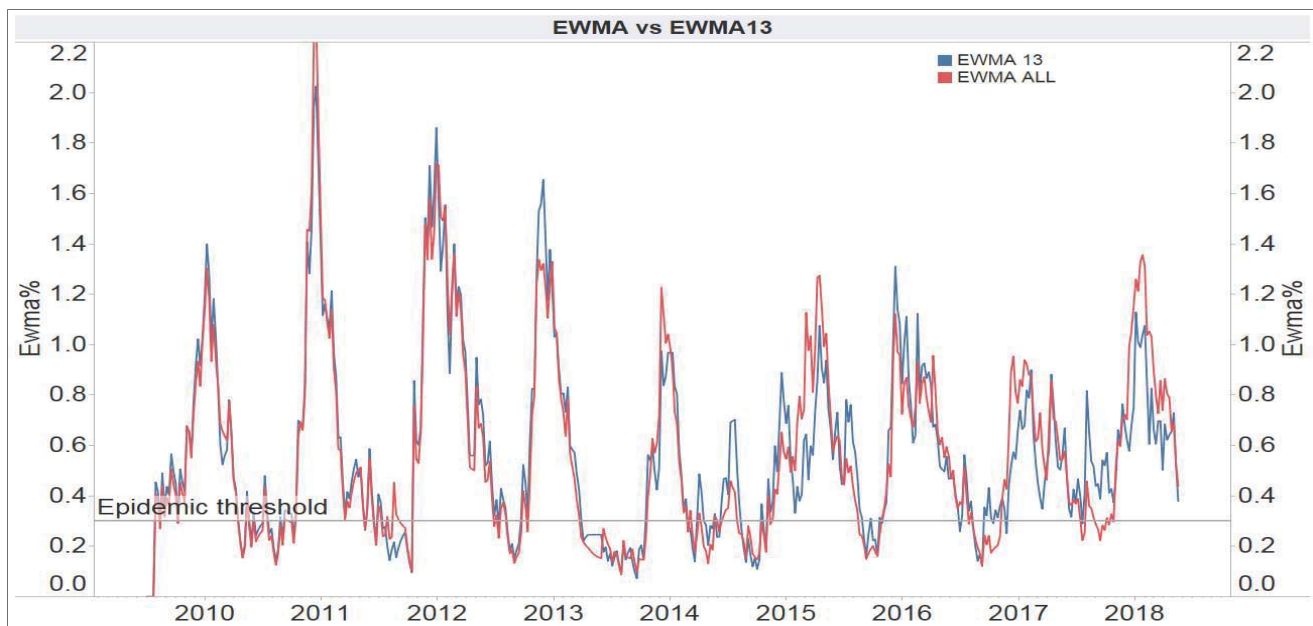
Keypoints:

- Even though small differences between both EWMA's exist, the EWMA of the original 13 participating systems is still a good indicator of the overall PRRS EWMA.
- Questions from participants are always welcome and help us to provide answers and insights to all of you.

We are often asked by our participants and report recipients about the change visible in the PRRS EWMA (exponentially weighted moving average). Most frequently people want to know if the change is due to actual changes in PRRS patterns over time or due to the increases size of our database and the geographic range it represents. One analysis that helps to answer that question is looking at the EWMA's of the 13 systems that started the program, and to compare it with the current EWMA. The original 13 systems are geographically consistent and therefore a good check to see if altered geographical representation is the cause for the change in the EWMA chart. We thought that as the PRRS season has begun to taper off, it would be a nice comparison to share.

We can see that the EWMA 13 is still a good representation of the overall EWMA. The reason that the EWMA 13 is still representative may be because they cover a wide area of the States and they still represent a high percentage of the final EWMA. A minor difference occurred in 2017's summer as some farms of the 13 experienced outbreaks. However, as we have discussed in previous science pages each state or region seems to have a different EWMA pattern. Having the regions or companies that are closer creates a more similar pattern.

If you have a further questions please do not hesitate to contact us. We will be happy to look at the data and try to answer your questions.



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