Reviewer's comment: Highlighted "in arid regions facing water scarcity".

Authors: Thank you for highlighting this, we have removed "arid" for fluency.

Reviewer's comment: highlighted "level of an irrigation Scheme''.

Authors: Not sure what this means, there is no clear comment.

Reviewer highlighted "G'' on equation 5.

Authors: Thanks for highlighting the inconsistency use of this term, we have fixed "G" for consistency to: Go.

Reviewer highlighted "DNVI'' error.

Authors: Thanks for highlighting this typing error, we have fixed "DNVI" to NDVI.

Reviewer highlighted "Su (2002)'' and suggested addition of Su (1999).

Authors: We have included Su (1999) in text and reference list.

Reviewer highlighted "Go'' and suggested it be used throughout the document for consistency.

Authors: Thanks for picking this up, as done across the document, we used Go throughout for consistency.

Reviewer asked, "at the experimental site?"

Authors: Thanks for this question, it makes our paper clearer, we have revised the words from field scale to "experimental site".

Reviewer highlighted "multi-stations" on Figure 7 caption.

Authors: Thanks for the comment, we have revised the words to experimental farm.

Reviewer asked, is this section covering the cumulative ETa from 2019 to 2021 and suggested a Revised Section title.

Authors: Thanks for the suggestion, we have revised the title to: Comparison of quantified ETa from all algorithms and measurements from 2019 winter barley to 2021 season.

Reviewer suggested to authors: please shorten evaluation of algorithms at weather station sites.

Answer: Thanks for this, we have revised to "evaluation of algorithms at weather station sites''.

Reviewer: how do the models compare between each other per site?

Authors: Thanks for this valuable question, we have included a section above the table which explains the model performance across sites: The SEBAL performs best across all sites with high correlation coefficients between 0.91 and 0.96, RMSE from 0.31 to 0.89 mm d^{-1}. However, SEBS demonstrates moderate accuracy with higher RMSE values between 0.93–1.59 mm d^{-1}. The VI-ETa was found to be better than SEBS in some cases but less consistent than SEBAL. CWSI demonstrated the worst performance across all evaluated sites.

Reviewer: these are weather station sites?

Authors: Yes, thanks for this comment, these are weather station locations, we have revised the table title including “weather station sites”.