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Kyle Ormsby* (ormsbyk@reed.edu), **Maxine Calle**, **Sam Ginnett**, **Harry Chen** and **Xinling Chen**. *Tambara generators for the trace ideal.*

The Dress homomorphism links the Burnside ring of a Galois group to the Grothendieck-Witt ring of the base field in a manner compatible with restriction, transfer, and norm maps. We use this additional “Tambara functoriality” to produce new results on the trace ideal, i.e., the kernel of the Dress map. The stable Galois correspondence between equivariant and motivic spectra induces the Dress map (on endomorphism rings of unit objects), so this furthers our understanding of the connection between these fields. As an application, we compute the multiplicative norms in the Grothendieck-Witt ring of a finite field. (Received January 21, 2020)