1154-05-2136 **Trajan Hammonds*** (thammond@andrew.cmu.edu). *Modified Erdős-Ginzburg-Ziv Constants for* $(\mathbb{Z}/n\mathbb{Z}x\mathbb{Z}/m\mathbb{Z})$.

For an abelian group G and an integer $t > 0$, the *modified Erdős-Ginzburg-Ziv constant* $s'_t(G)$ is the smallest integer ℓ such that any zero-sum sequence of length at least ℓ with elements in G contains a zero-sum subsequence (not necessarily consecutive) of length t. We compute bounds for $s'_t(G)$ for $G = (\mathbb{Z}/n\mathbb{Z})^2$ and $G = (\mathbb{Z}/n_1\mathbb{Z} \times \mathbb{Z}/n_2\mathbb{Z})$. We also compute bounds for $G = (\mathbb{Z}/p\mathbb{Z})^d$ where the subsequence can be any length in $\{p, \ldots, (d-1)p\}$. Lastly, we investigate the Erdős-Ginzburg-Ziv constant for $G = (\mathbb{Z}/n\mathbb{Z})^2$ and subsequences of length tn. (Received September 17, 2019)