962-40-946 **J. Connor*** (connor@math.ohiou.edu), Department of Mathematics, Ohio University, Athens, OH 45701, **K. Demirci** (demirci@turkuaz.kku.edu.tr), Department of Mathematics, Faculty of Science and Arts, Kirikkale University 71450 Kirikkale, Turkey, and **C. Orhan** (orhan@science.ankara.edu.tr), Department of Mathematics, Faculty of Science, Ankara University 06100, Ankara, Turkey. *Multipliers and Factorizations for Bounded Statistically Convergent Sequences.*

Let μ be a density and $st_\mu(b)$ and $st_\mu^o(b)$ denote the bounded μ-statistically convergent and μ-statistically null sequences, respectively. A variety of multiplier results, such as $m(st_\mu(b)) = st_\mu(b)$, $m\left(c_o, st_\mu^o(b)\right) = \ell^\infty$ and a description of $m\left(st_\mu^o(b), c_o\right)$, are given. Using a multiplier result for $w(A,p)$, the strongly A-summable sequences with index $p > 0$, it is shown that there is a sequence space Z such that $st_A(b) \cdot Z = w(A,p)$ and, when A is the Cesáro matrix, there is no sequence space Y such that $w(A,p) \cdot Y = st_A(b)$. Also, if T is a coregular matrix then $\chi_{\mathbf{N}}$ is not a multiplier from bounded sequences into the space of sequences x such that the sequence $Tx := \left(\sum_k t_{nk}x_k\right)$ is μ-statistically convergent for a broad class of densities. (Received September 29, 2000)