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Let D be an integral domain with field of fractions Q , let E be a non-empty finite subset of D , and set $\text{Int}(E, D) = \{f \in Q[X] : f(E) \subseteq D\}$, the *ring of integer-valued polynomials on D with respect to the subset E* . We say that the ring R has the *n -generator property* if each finitely generated ideal of R can be generated by a list of n elements, and we say that R has the *strong n -generator property* if each finitely generated ideal of R can be generated by a list of n elements in which the first generator in the list is an arbitrary non-zero element of the ideal.

Chapman, Loper, and Smith showed that $\text{Int}(E, D)$ has the strong 2-generator property if and only if D has the 1-generator property (that is, D is a Bezout domain). Inspired by their result, we prove that, for any integer $n \geq 2$, $\text{Int}(E, D)$ has the strong $(n + 1)$ -generator property if and only if $\text{Int}(E, D)$ has the n -generator property if and only if D has the n -generator property. (Received September 28, 2005)