

Table V. *Use Rates of Metabolites during Steady State Photosynthesis*

The use rate of selected metabolites in the Calvin cycle is estimated for a CO₂ fixation rate of 136 $\mu\text{mol}\cdot\text{mg}^{-1}\text{Chl}\cdot\text{h}^{-1}$

Metabolite	No. of Molecules Metabolized per CO ₂ Fixed	Estimated Use Rate
		<i>nmol·mg⁻¹ Chl·s⁻¹</i>
ATP	3	114
RubP	1	38
PGA	2	75
Pi ^a	1/3	12.5
Glc6P ^a	1/6	5

^a Turnover estimated for sucrose synthesis in cytosol, if 80% of photosynthate is converted to sucrose.