Simple Linear Regression

$$\hat{y} = b_0 + b_1 X_1$$

$$Potatoes[t] = b_0 + b_1 \times Fertilizer[kg]$$

$$b_0 = 8[t]$$

$$b_1 = 3\left[\frac{t}{kg}\right]$$

y [tonnes]
(Potato yield)

Each point represents a separate harvest

$+3t$

$8t$

$+1kg$

X_1 [kg]
(Nitrogen Fertilizer)