· a farmer when purchasing a fertilizer to have some system of calculation whereby ne may be able to tell whether that fertilizer is selling at a price according to is true market value, or not. In other words, he should know if he is getting , money's worth according to the trade value. In the ease of purely mineral legalizers it is evident from previous reading that the value depends upon the amount and condition of the nitrogen, phosphoric acid and potash present. Now. t we consider a simple mineral fertilizer like nitrate of soda, which we buy as for the nitrogen it contains, it is readily seen that according to the market goe of this mineral we can fix a "unit value" for nitrogen. Any unit may be at read, but the unit most conveniently adopted in the trade is stated as being one be cont. on the basis of a ton, or 20 pounds. Thus, if nitrate of soda containing where cont. of nitrogen is selling at \$55.00 per ton, the price of a unit of nitrogen cound by dividing \$55.00 by 15 per cent =\$3.66 per unit.

Similarly, superphosphate selling at \$16.00 per ton and containing 16 per cent. remains phosphoric acid gives the price for a unit of available phosphoric acid at *16 " =\$1.00 per unit.

Again, muriate of potash selling at \$41.80 per ton and containing 48 per cent. botash gives the price for a unit of potash at \$41,80=87c. per unit.

A ording to these calculations we have the following unit values:

Nittegen	\$3.66	per	unit.
Available phosphoric acid	1.00	66	"
Prish			

Knowing a value for each of these units we can now readily estimate from the guaranteed analysis which accompanies a fertilizer whether it is being offered for sale at a legitimate price, or not.

Two potato manures of the following composition, respectively, are placed on the market at the prices mentioned, and it is required to ascertain which is hetter value.

	Pric	e \$32.00 per ton.
trainsis:	Nitrogen Available phosphoric acid	per cent.
	Potash 10	ee 66
	No. II.	e 20 00 non ton
i - nincie.	Nitrogen	e \$30.00 per ton.
	A TITLE OF THE TENT OF THE TEN	

Available phosphoric acid

From the above unit values the value of these two fertilizers would be esimated as follows:

I. Nitrogen Available phosphoric acid Potash	8	6.6	6.6		- 8	61	66	1.00	=	8.00
II. Nitrogen Available phosphoric acid Potash	2 6 12	Price per " " Act	ce cha cent "	or "	2 6 12	per tor units. "	n . at "	\$3.66 , 1.00 .87	=======================================	\$31.34 32.00 \$7.32 6.00 10.44 \$23.76 30.00

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