

## Feasibility of GEnergy 6101 use and options

GEnergy 6101 is the combination of five enzymes

Xylanase  
Amylase  
Protease

Mannanase  
Cellulase

When we are using GEnergy @100g/ton its cost and equality to Kcal are below

Price per gm (Aprox)	Dose	Price share		
<b>GEnergy 6101</b>	<b>GEnergy 6101</b>	<b>Per Ton</b>	<b>Per bag</b>	<b>Approx. Kcal = cost</b> 5750/3050=1.88/Kcal
2.6	100	260	13	<b>10</b>
Note: Only Highlighted Matrix can cover cost extra matrix of GEnergy 6101 ll be show in performance or can be used for least cost formulation (Options Below)				

For option to use in feed.

- 1- As mention in the table, we can reduce only 7-8 Kcal in formula and extra Metrix will be expressed in performance can also be called No profit no loss with extra performance. This 8 is on 10 % of the matrix (attached below).
- 2- You can use 25 % which is 19 Kcal, which can give saving of 20 rupee then the cost of enzyme also extra matrix will result in better performance.
- 3- You can use 50 % of matrix which spares 29 Kcal, which gives saving of more than 50 rupee other than the cost of enzyme and extra matrix will also express in performance.
- 4- You can use 75 % Matrix which is equal to 54 Kcal which give saving of more 75 rupee + Performance
- 5- Use 100 % matrix gives saving of 115 rupee other than the cost of enzyme.

From all the above options option 2 and 3 (4 also can be adopted) are best as there is variation in the feed ingredient quality and use of ingredients in formula varies so 100 % matrix sometimes not expressed. With 25%, 50 and 75% matrix you are saving 20, 50 and 75 rupees in the formula.

**Regards**

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## Genergy 6101

<b>Broilers</b>	
U/kg feed xylanase (g.min.)	2200
U/kg feed amylase (g.min.)	50
U/kg feed protease (g.min.)	200
U/kg feed mannanase (g.min.)	500
g/tonne	100
<b>Contribution</b>	
ME kcal/kg	75
ME MJ/kg	0.32
Dig Crude Protein%	0.22
Dig lys%	0.011
Dig Met%	0.004
Dig Met+Cys%	0.009
Dig Thr%	0.0045
Dig Try%	0.0016
Dig Arg%	0.011
Dig Iso%	0.007
Dig Val%	0.079
<b>Matrix</b>	
ME kcal/kg	750000
ME MJ/kg	3200
Dig Crude Protein%	2200
Dig lys%	110
Dig Met%	40
Dig Met+Cys%	90
Dig Thr%	45
Dig Try%	16
Dig Arg%	110
Dig Iso%	70
Dig Val%	790

Genergy 6101 is one kind of compound enzyme specially designed for the corn-soybean meal based diet. It can degrade the main anti-nutritional factor mannan in soybean meal efficiently. It also contains NSP enzymes and amylase, gives full play to multiple enzymes synergistic effect, and improves the matrix value of feed.