

EFFECTS ON E.COLI WHEN NATMAX BIOSTIMULANT IS ADDED TO E.COLI	Under commercial environment and standard production conditions	In self-induction medium without IPTG under standard production conditions
Measured	NATMAX IMPACT ON E.COLI	NATMAX IMPACT ON E.COLI
N Protein produced increase	167 %	278 %
Biomass produced increase (dry cell weight)	30 %	470 %
Bacteria produced increase (OD 600 nm)	33 %	320 %
Production time reduction	26 %	37 %

EFFECTS ON OTHER MICROBIAL STRAINS USING NATMAX BIOSTIMULANT	<i>S. cerevisiae</i>	<i>L. plantarum</i>	<i>B. Subtilis</i>	<i>B. amylolique- faciens</i>
Measured	NATMAX IMPACT	NATMAX IMPACT	NATMAX IMPACT	NATMAX IMPACT
Ethanol production increase	40.6 % (over 48 hours)			
Optical density increase (OD 600 nm)	60.3 % (over 48 hours)	17.9 %	73.0 % (over 24 hours)	65.0 % (over 48 hours) 129.0 % (over 48 hours) (Synergic effect with culture medium supplementation with both NATMAX and yeast extract)
Microbial count increase			96.0 % (over 48 hours)	42.0 % (over 48 hours)