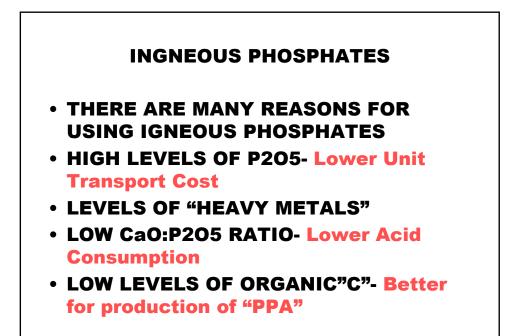
IFA TECHNICAL SYMPOSIUM

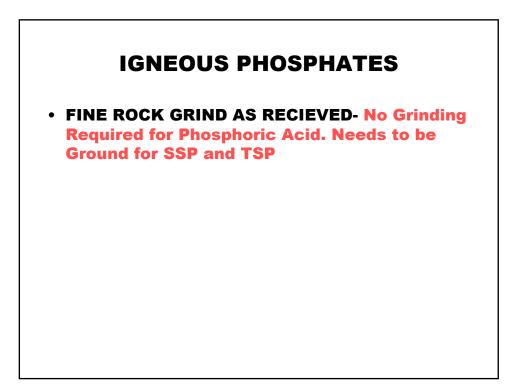
VILNIUS LITHUANIA 25-28TH **APRIL** 2006

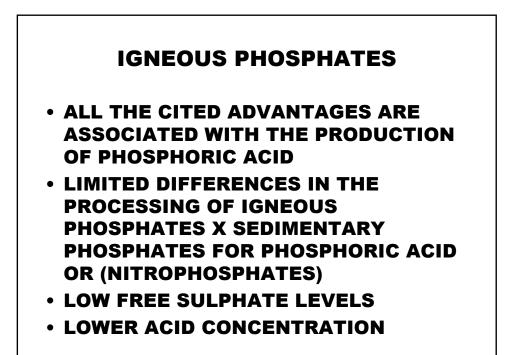
GRANULATION OF NP AND NPK PRODUCTS BASED ON SUPERPHOSPHATES PRODUCED FROM IGNEOUS PHOSPHATE ROCKS.

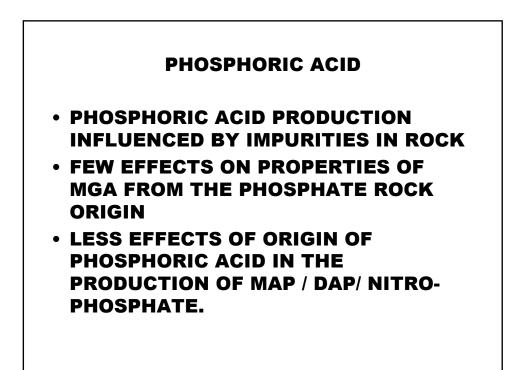
J. SINDEN

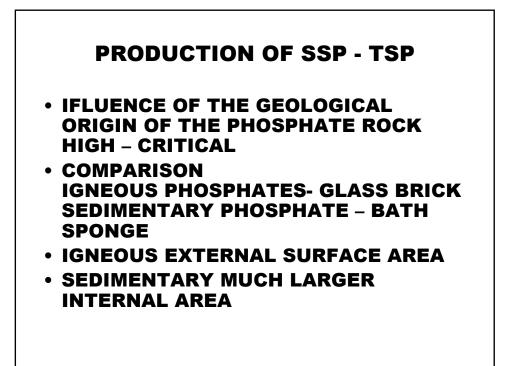
JSA Ltda R. Ministro Xavier de Toledo,143 11070-300, Santos, SP. Brazil

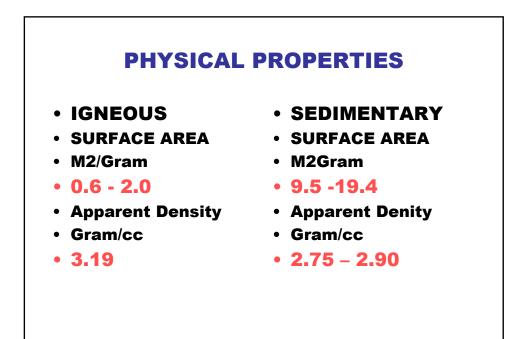


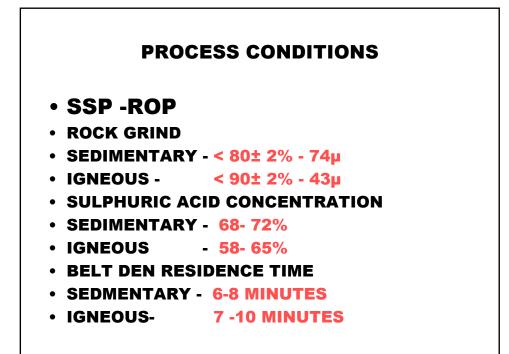


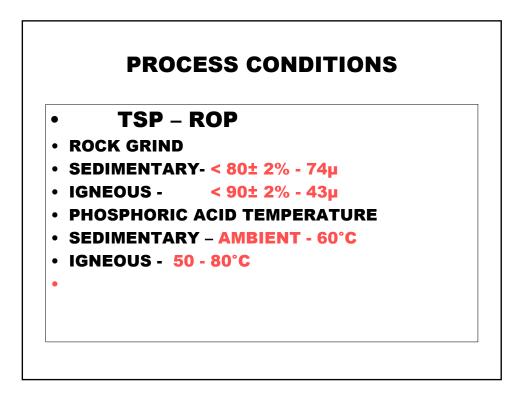


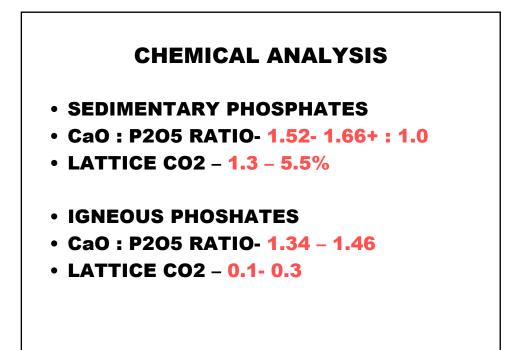












•	SEDIMENTARY	IGNEOUS
• P205		
• TOTAL	19.1	19.7
• APA	18.6	19.1
• W/S	16.3	15,9
• ACIDITY	7 3.8	7.1
• MOISTU	IRE 8.5	11.8

GRANULATION

- IGNEOUS SUPERPHOSPHATES
- "STRAIGHT SSP TSP
- CHARACTERISTICS-
- OVERGRANULATION -HIGH FREE ACIDITY
- NEED TO NEUTRALIZES
- USE LIMESTONE SLAKED LIME
- PREFERENCE FOR DOLOMITIC MATERIALS
- AMMONIA AT LOW LEVELS NOT EASY TO CONTROL
- PROBLEMS TO ACHEIVE ZERO LIQUID EFFLUENTS

