NEPAL SEED AND FERTILIZER (NSAF) PROJECT IN 2021













INTEGRATED SOIL FERTILITY MANAGEMENT (ISFM)



OPEN-POLLINATED VARIETY (OPV) & **HYBRID SEED**

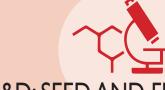


MARKET SYSTEM DEVELOPMENT





International Maize and Wheat Improvement Center



R&D: SEED AND FERTILIZER

391 varietal & seed production demonstrations 2 partner

376 ready hybrid

15 ISFM demonstrations in 4 districts with NARC, cooperatives, public and private

65% increase companies in parental prepared line seed proposals for variety production registration

16% increase in of vegetables from UDP



CAPACITY DEVELOPMENT

3,885 people trained in improved seed & crop value chain

929 soil samples analyzed by NARC using spectroscopy

companies initiated commercial hybrid seed production

local institutions piloted the digital soil map

6 companies using digital marketing platforms



PARTNERSHIPS ACROSS VALUE CHAINS

digital platforms (DESIS and DSM) operational

public private partnerships formed for technology scaling

103 private sector firms receive business assistance SEAN and NeFEA promoting seed and ISFM businesses



MARKET DEVELOPMENT

seed companies facilitated for

128 traders from 6 districts attended business

2,174 Mt of improved seed produced and sold

1,390 Mt maize produced through maize commercial model



POLICY ENGAGEMENT

companies received NSB approval for exclusive R&D and hybrid seed production licensing

protocols for imported veg seed testing and registration, and R&D by private sector approved by NSB

NSB approved hybrid seed production & certification standards

US \$200,000 allocated by local governments for maize promotion

Evidence for fertilizer policy change including blended fertilizers shared with MoALD



127,473
BENEFICIARY HOUSEHOLDS



68,999 Ha UNDER IMPROVED TECHNOLOGY



\$6.75 million **CREDIT FORWARDED**



\$56.32 million SMALLHOLDERS' VALUE OF SALES



PER BENEFICIARY HH VALUE OF SALES FROM TARGET CROPS



BENEFICIARY WOMEN AND **32%** MARGINALIZED HOUSEHOLDS

| YIELD Mt/Ha | 3 | | | |
|------------------|------|------|------|-------|
| 2021 | 4.82 | 4.65 | 0.95 | 23.51 |
| 2017 Baseline | 3.78 | 1.96 | 0.77 | 8.17 |