# Sensibility checklist

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| **varName** | **varUnit** | **varLabel** | **Sensibility checks** |
| country | NA | Name of the country / administrative unit level 0 | Is the reported value the name of a study country? |
| adm1 | NA | Name of the administrative unit level 1 (e.g. state, province, region) | None |
| adm2 | NA | Name of the administrative unit level 2 | None |
| adm3 | NA | Name of the administrative unit level 3 | None |
| adm4 | NA | Name of the administrative unit level 4 | None |
| lat | decimal degrees | Latitude coordinate (WGS 84 / EPSG 4326) | Is any geocoordinate reported as (0/0)? Is the geocoordinate located within the country boundaries as defined by the Global Administrative Unit Dataset or within close proximity to country boundaries? |
| lon | decimal degrees | Longitude coordinate (WGS 84 / EPSG 4326) | Is any geocoordinate reported as (0/0)? Is the geocoordinate located within the country boundaries as defined by the Global Administrative Unit Dataset or within close proximity to country boundaries? |
| GPS\_level | NA | Reference point of the GPS-coordinate: 1 = plot level, 2 = household level, 3 = community level, 4 = unknown | Is the reported value in the defined range [1,4] or missing? |
| hhID | NA | Unique household identifier | None |
| fieldID | NA | Identifier of a collection of plots that share a set of characteristics (as defined in underlying source surveys). Second lowest spatial identifier used in the survey. | Is the reported value in the range [1,20] or missing? |
| plotID | NA | Identifier of a physically continuous, homogeneously managed area. Lowest level spatial identifier used in the survey. | Is the reported value in the range [1,30] or missing? |
| crop | NA | Name of cultivated crop | Is the reported value an identifiable crop type? |
| season | NA | Type of agricultural season: first season, second season, main season, secondary season (as reported in source survey) | Is the reported value an identifiable season type? |
| plot\_area\_measured\_ha | hectares | GPS measured plot area in hectares | Is the reported value unequal to 0? Is the reported value larger than half and smaller than double the size of the other reported plot area measures (i.e., reported vs measured)? |
| plot\_area\_reported\_ha | hectares | Farmer self-reported plot area in hectares | Is the reported value unequal to 0? Is the reported value larger than half and smaller than double the size of the other reported plot area measures (i.e., reported vs measured)? |
| plot\_area\_reported\_localUnit | localUnit\_area | Farmer self-reported plot area in local unit | Is the reported value unequal to 0? Does the value correspond to the calculated reported value in hectares? |
| localUnit\_area | NA | Local unit used for farmer self-reported plot area | Is the reported value an identifiable area unit? |
| crop\_area\_share | percent [0-100] | Percent of plot area planted to crop | Is the reported value in the range [0,100] or missing? Is the reported value not restricted to the range [0,1]? |
| planting\_year | YYYY | Year in which crop was planted | Is the reported value unequal to 0? Is the reported value in the range [2000,2020] or missing? |
| planting\_month | month [1-12] | Month in which crop was planted | Is the reported value unequal to 0? Is the reported value not restricted to the range [1,12]? (known issue for Ethiopia: valid value of 13) |
| harvest\_month | month [1-12] | Month in which crop was harvested | Is the reported value unequal to 0? Is the reported value not restricted to the range [1,12]? (known issue for Ethiopia: valid value of 13) |
| harvest\_year | YYYY | Year in which crop was harvested | Is the reported value unequal to 0? Is the reported value in the range [2000,2020] or missing? |
| harvest\_month\_begin | month [1-12] | Month in which crop harvesting started | Is the reported value unequal to 0? Is the reported value not restricted to the range [1,12]? (known issue for Ethiopia: valid value of 13) |
| harvest\_month\_end | month [1-12] | Month in which crop harvesting ended | Is the reported value unequal to 0? Is the reported value not restricted to the range [1,12]? (known issue for Ethiopia: valid value of 13) |
| harvest\_year\_begin | YYYY | Year in which crop harvesting started | Is the reported value unequal to 0? Is the reported value in the range [2000,2020] or missing? |
| harvest\_year\_end | YYYY | Year in which crop harvesting ended | Is the reported value unequal to 0? Is the reported value in the range [2000,2020] or missing? |
| dataset\_name | NA | ID of used source dataset. For LSMS, please use the exact LSMS reference ID. For others use [Last name of first author]-[Year] | Is the reported value a valid LSMS reference ID? |
| dataset\_doi | NA | Digital Object Identifier (DOI) of source dataset | Is the reported value a valid LSMS DOI? |