



# **Collaborative Study of Low Nicotine Tobacco Agronomic Production Practices (LNTP) Task Force Annual Report**

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**CORESTA Online Congress**

**October 2020**



## ❖ Objectives:

1. To determine the impact variety selection has upon nicotine levels.
2. To determine the impact of modified cultural practices have upon nicotine levels.



## ❖ Achievements

| Project No. | Activity  | Leader            | Time       |
|-------------|---|-------------------|------------|
| 226         | <ul style="list-style-type: none"><li>First TF meeting in October 2019 – Victoria Falls, Zimbabwe (54 attendees)</li></ul>  | Lusso and Malpica | Oct. 2019  |
|             | <ul style="list-style-type: none"><li>Confirmed 12 participants representing 10 countries</li></ul>   | Lusso             | Nov. 2019  |
|             | <ul style="list-style-type: none"><li>Completed field test protocol</li></ul>   | All TF Members    | Jan. 2020  |
|             | <ul style="list-style-type: none"><li>Shipped seeds to 9 test locations. One location received seeds from Bergerac only (China). No seeds were shipped to 3 countries (Zimbabwe, Malawi and South Africa)</li></ul> | Adams and Malpica | April 2020 |
|             | <ul style="list-style-type: none"><li>RJR volunteered to conduct the chemical analysis (1<sup>st</sup> round of samples will be ready to submit between September and January)</li></ul>                            | Mike Ogden        | April 2020 |
|             | <ul style="list-style-type: none"><li>Received 5 field test reports</li></ul>   | Lusso             | Sept. 2020 |



# LNTP TF Field Trial Participants

| Country     | Company                    | PI               | Location                | Tobacco Type | Seeding Time              | Chemistry Sample # | August Report Received |
|-------------|----------------------------|------------------|-------------------------|--------------|---------------------------|--------------------|------------------------|
| USA         | NCSU                       | Matthew Vann     | Kinston (NC)            | Flue-Cured   | February 15 <sup>th</sup> | 48+12 (4 rep)      | Yes                    |
| USA         | NCSU                       | Matthew Vann     | Oxford (NC)             | Flue-Cured   | March 1st                 | 48+12 (4 rep)      | Yes                    |
| USA         | NCSU                       | Matthew Vann     | Laurel Springs (NC)     | Burley       | March 20th                | 48+12 (4 rep)      | Yes                    |
| USA         | Virginia Tech              | David Reed       | SPAREC (VA)             | Flue-cured   | March                     | 48                 | No                     |
| USA         | Virginia Tech              | David Reed       | SPAREC (VA)             | Burley       | March                     | 48                 | No                     |
| USA         | University of Kentucky     | Colin Fisher     | Lexington, KY           | Burley       | March                     | 36                 | No                     |
| Philippines | Universal Leaf Philippines | Lewis C. Flowers | Ilocos Sur, Philippines | Flue-Cured   | September                 | 36                 | No Southern Hemisphere |
| Philippines | Universal Leaf Philippines | Lewis C. Flowers | Isabela, Philippines    | Burley       | October                   | 48                 | No Southern Hemisphere |



# LNTP TF Field Trial Participants

| Country | Company                    | PI                   | Location                                  | Tobacco Type | Seeding Time | Chemistry Sample # | August Report Received     |
|---------|----------------------------|----------------------|---|--------------|--------------|--------------------|----------------------------|
| Korea   | KT&G                       | Jeong-Heon Lee       | Daejeon, Republic of Korea                | Burley       | February     | 48                 | Yes                        |
| Korea   | KT&G                       | Jeong-Heon Lee       | Daejeon, Republic of Korea                | Flue-cured   | February     | 48                 | Yes                        |
| Italy   | Fattoria Autonoma Tabacchi | Gilberto Milli       | Umbria, Città di Castello, Perugia, Italy | Flue-cured   | March        | 48                 | Yes                        |
| Brazil  | Alliance One International | Ezequiel de Oliveira | Arroio do Tigre – RS - Brazil             | Burley       | May          | 48                 | Yes<br>Southern Hemisphere |
| Brazil  | Alliance One International | Ezequiel de Oliveira | Passo do Sobrado – RS - Brazil            | Flue-cured   | May          | 48                 | Yes<br>Southern Hemisphere |
| France  | Bergerac Seed and Breeding | Anna Malpica         | Bergerac, France                          | Flue-cured   | February     | 48                 | Yes                        |
| France  | Bergerac Seed and Breeding | Anna Malpica         | Bergerac, France                          | Burley       | February     | 48                 | Yes                        |



# LNTF TF Field Trial Participants

| Country      | Company                                   | PI              | Location                         | Tobacco Type | Seeding Time  | Chemistry Sample # | August Report Received |
|--------------|---|-----------------|----------------------------------|--------------|---------------|--------------------|------------------------|
| China        | Henan Agricultural University             | Hongzhi Shi     | Xuchang, Henan, China            | Flue-cured   | February 1st  | 36 (No USA seeds)  | No                     |
| China        | Henan Agricultural University             | Hongzhi Shi     | Xuchang, Henan, China            | Burley       | February 1st  | 36 (No USA seeds)  | No                     |
| Malawi       | Agricultural Research and Extension Trust | Albert Chamango | Kandiya Research Station, Malawi | Burley       | July - August | 48                 | Test Cancelled         |
| South Africa | LARSS PTY LTD                             | Anton Scholtz   | South Africa                     | Flue-cured   | May           | 48                 | Test Cancelled         |
| Zimbabwe     | Tobacco Research Board                    | Frank Magama    | Banket Research Station, Banket  | Burley       | June          | 48                 | Test Cancelled         |
| Zimbabwe     | Tobacco Research Board                    | Frank Magama    | Kutsaga Research Station, Harare | Flue-cured   | June          | 48                 | Test Cancelled         |

- All Seeds Shipped

- Bergerac Seeds Shipped

- Test was cancelled due to Covid-19 or not able to ship the seeds



## ❖ On-Going

| Project No. | Activity   | Leader               | Time       |
|-------------|--|----------------------|------------|
| 226         | Finalize logistics for sample analysis                 | Rowe (RJR) and Lusso | Sept. 2020 |
|             | Confirm the seed source for next round of field trials | Adams and Malpica    | Nov. 2020  |
|             | Confirm participants for the 2021/2022 round           | Lusso and Malpica    | Nov 2020   |
|             |  |                      |            |
|             |  |                      |            |



# LNTP Task Force

## ❖ Further projects

| Activity  | Leader | Time       |
|---|--------|------------|
| 226 – 1 CTR CS of Low Nicotine Tobacco Agronomic Practices (LNTP) | Lusso  | 12/31/2023 |
| 226 – 2 CXP on Low Nicotine Tobacco Agronomic Practices (LNTP)    | Lusso  | 12/31/2023 |
|   |        |            |
|   |        |            |
|   |        |            |





## ❖ Meetings

- Last: Victoria Falls - October 2019
- Next: Online meeting in January 2021

# Thank You