Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

a521
ATSU65
copy 3

5

ISSN 0139-3779

Catalog of the Tobacco Introductions in the U.S. Department of Agriculture's Tobacco Germplasm Collection (*Nicotiana tabacum*)

U.S. Department of Agriculture
Agricultural Research Service
Agricultural Reviews and Manuals • ARM-S-27/October 1982

Catalog of the Tobacco Introductions in the U.S. Department of Agriculture's Tobacco Germplasm Collection (*Nicotiana tabacum*)

By James F. Chaplin, J. R. Staveland, C. C. Litton, G. W. Pittarelli, and W. H. West, Jr.

This publication is available from the Tobacco Research Laboratory, Route 2, Box 16G, Oxford, N.C. 27565.

Agricultural Research Service, Agricultural Reviews and Manuals, Southern Series, No. 27, October 1982.

Published by Agricultural Research Service (Southern Region), U.S. Department of Agriculture, P.O. Box 53326, New Orleans, La. 70153.

CONTENTS

	Page
Abstract	1
Introduction	1
Agronomic characteristics	2
Plant type	3
Plant characteristics	4
References	4
Catalog of tobacco introductions	6

Catalog of the Tobacco Introductions in the U.S. Department of Agriculture's Tobacco Germplasm Collection (*Nicotiana tabacum*)

By James F. Chaplin,¹ J. R. Stavelly,² C. C. Litton,³ G. W. Pittarelli,⁴ and W. H. West, Jr.⁵

ABSTRACT

This catalog describes the over 1,000 tobacco introductions (*Nicotiana tabacum* L.) in the U.S. Department of Agriculture's tobacco germplasm collection. Seed from the collection are available in limited quantities for research and breeding. The description includes plant origin, native designation, plant type, how leaves are attached, flower color, time to flower, angle of leaf to stem, leaf width and length, number of leaves per plant, number of suckers per plant (pretopped and posttopped), plant height, and plant yield. Index terms: agronomic characteristics, catalogs, germplasm, *Nicotiana tabacum* L., tobacco, tobacco collections, tobacco introductions.

INTRODUCTION

The U.S. Department of Agriculture's (USDA) Agricultural Research Service maintains a large collection of morphologically diverse tobaccos, *Nicotiana tabacum* L., obtained from many foreign countries, Puerto Rico, and, in a few instances, from the continental United States. Seed from the collection are available to plant breed-

ers, geneticists, and other researchers in tobacco and other plants; to experiment stations; and to public and private research organizations for research and breeding purposes. Seed can be obtained from the Tobacco Research Laboratory, Route 2, Box 16G, Oxford, N.C. 27565. Shipments will be limited to 0.2 g, unless specific requirements are stated for a larger amount. **Seed are not available in bulk quantities for commercial planting.**

The entries in this collection were originally designated as TI's for tobacco investigations, but the letters have come to stand for tobacco introductions. Collection of the TI's was begun by USDA early in the 20th century. No record is now available for the dates of accession of many of the early entries in the collection—the earliest recorded was acquired in 1913. About 150 accessions were collected from the beginning until 1934. Then, in 1934, Edward E. Clayton, a plant pathologist, joined USDA's tobacco research group to initiate a research program in tobacco-disease control. He soon realized that to maximize chances for obtaining new sources of dis-

¹Director, Tobacco Research Laboratory, Agricultural Research Service, U.S. Department of Agriculture, Route 2, Box 16G, Oxford, N.C. 27565, and professor, Crop Science Department, North Carolina State University, Raleigh.

²Research plant pathologist, Applied Plant Pathology Laboratory, Plant Protection Institute, Beltsville Agricultural Research Center, Agricultural Research Service, U.S. Department of Agriculture, BARC-West, Beltsville, Md. 20705.

³Research agronomist, Agricultural Research Service, U.S. Department of Agriculture, Department of Plant Pathology, University of Kentucky, Lexington, Ky. 40546.

⁴Agricultural research technician, Tobacco Laboratory, Plant Genetics and Germplasm Institute, Beltsville Agricultural Research Center.

⁵Agricultural research technician, Tobacco Research Laboratory, Oxford.

ease resistance an extensive collection of tobacco germplasm was needed.

Because *N. tabacum* originated in either Central or South America and is quite diverse in both, it was decided to begin the collection in these regions. So, in 1935, the USDA's Division of Plant Exploration and Introduction, Bureau of Soils and Agricultural Engineering, employed two men, W. Andrew Archer and Raymond Stadelman, to make extensive explorations and collections of native tobaccos in Mexico and in Central and South America. Archer collected mainly in Mexico, Guatemala, Honduras, Costa Rica, Brazil, and Argentina; Stadelman in Colombia, Peru, Ecuador, and Venezuela. During their expeditions, Clayton carried on an extensive correspondence with Archer and Stadelman, and much of this correspondence is still in the files of the Agricultural Research Service's Tobacco Laboratory in Beltsville, Md. For most accessions of these two collectors, detailed records are available for date of collection; native designation; farm, town, district, state, and country where obtained; and other information. By the time that Archer and Stadelman completed their expeditions in 1937, TI numbers up to 1160 had been assigned. These two men deserve great credit for the thoroughness of their efforts and the hardships they endured in their searches through often difficult terrain. They were responsible for over 90% of the accessions during the 3 years of their expeditions. The other 10% were contributed by several collectors. All TI's numbered 1161 and higher have been added since 1937; they have come from many collectors and breeders.

The collection left by Clayton in 1955 included *Nicotiana* species other than *N. tabacum*. These have been moved from the TI collection to either the *N. rustica* collection of 54 accessions or the *Nicotiana* species collection, both maintained by USDA. Also, many duplicates have been removed from the TI collection, and some TI's are no longer available because of the loss of viable seed. So, though the TI's in the catalog are numbered to 1504, there are only about 1,000 accessions listed.

The collection has had to be maintained through periodic seed increases. Over the years, because of limited support for this program, seeds have been taken from a restricted number of plants. Seed increase has been done in the absence of pathogens or other apparent selection

pressures. In some instances, particularly those TI's originating from mixed seed collections, diversity has decreased. Some accessions undoubtedly differ from those originally put in the collection.

Burk and Heggstad (1959) compiled data on 185 of the TI's. Several publications (Clayton and Smith 1942; Clayton 1953, 1969; Clayton et al. 1958; Chaplin and Gooding 1969; Litton et al. 1970; Stavely 1971; Sievert 1972a, 1972b; Chaplin et al. 1976; Grosso 1976; Johnson 1978; Thurston 1979; Stavely et al. 1981) have dealt with disease and insect resistance of the TI's. But little has been published about the agronomic and morphological characters of the TI's. So, for each plant, this catalog includes plant origin, native designation, plant type, how leaves are attached, flower color, time to flower, angle of leaf to stem, leaf width and length, number of leaves per plant, number of suckers per plant (pretopped and post-topped), plant height, and plant yield.

USDA also maintains a collection of cultivars, and we hope to publish a catalog of this collection. Additional data, such as chemical analysis, are being obtained on the TI collection. These will be published later.

AGRONOMIC CHARACTERISTICS

In 1969, seeds of each of the then 994 TI's in the collection were sown in a greenhouse at the Agricultural Research Service's Oxford Tobacco Research Laboratory, Oxford, N.C. They were transplanted to bands in flats, where they grew until they reached transplanting size. Five plants of each TI were transplanted to the field at Oxford into each of two replicates. They were grown by flue-cured tobacco cultural methods and fertilized with 784 kg of 6-12-18 fertilizer per hectare in the preplant row. A topdressing of 112 kg of 15-0-14 was applied a few weeks after transplanting. All plants were topped when the first flower began to show pink. The plants were hand-suckered, and in some cases they were broken to one central stem. Leaves were harvested by primings and flue-cured by conventional methods.

In 1974, 1,063 of the TI's then in the collection were grown in the field by burley-tobacco cultural methods at Lexington, Ky. They were planted in 1 replicate of 10 plants. Fertilization consisted of 1,680 kg of 5-10-15 fertilizer per hectare plus 560

kg of ammonium nitrate per hectare broadcast before planting. All plants were topped when 50% of the flowers had opened, at the second leaf below the ball sucker. The plants were cut, speared on sticks, and harvested and cured by conventional methods for burley. In the 1974 planting, TI Nos. 246, 421, 1128, 1247, 1324, and 1480 that had been grown at Oxford were not included. The 1974 planting included 80 TI's that were not grown at Oxford in 1969.

The catalog gives a summary of the agronomic data for each TI included in the collection in 1974. (We don't yet have any data for the few added since then.) The agronomic data are the averages from the two replicates grown at Oxford in 1969 and the one replicate grown at Lexington in 1974. Given in the catalog for each TI is the USDA Plant Introduction (PI) number, country of origin, and native designation (where known). The methods used to produce the agronomic data are described below.

Except for flower color, all reported characters are greatly influenced by environment, so data are differentiated by location (Oxford and Lexington) instead of being averaged. (The angle of attachment of the leaf to the stalk and flower color were taken only at Oxford.) These data must be considered as relative and not absolute; for example, Turkish tobacco grown at Oxford or Lexington has a much larger leaf than it does when grown under Turkish growing conditions.

PLANT TYPE

Plant type was judged from the field appearance of each TI. Types assigned included burley (B), cigar filler (CF), cigar wrapper (CW), flue-cured (FC), Hungarian (H), primitive (P), pale-yellow (PY), Turkish (T), and no type identified (NT). Names are based on resemblances, not on potential use.

Burley.—The outstanding characteristic of burley types is the creamy color of the stalk and midrib. When grown with low available nitrogen, the plants are light yellowish green. And, because of the low chlorophyll, the leaves will deteriorate rapidly on maturing, especially in hot climates. The older burley types have horizontal or drooping leaves, and the newer types have upright leaves. The flower head is somewhat compact when compared with flue-cured types. The burley character is controlled by two recessive genes

(wb_1 and wb_2), and all lines that have these two genes were classified as burley (Henika 1932).

Cigar-filler.—Lines characterized as cigar filler have erect growing leaves that are narrow; some are relatively long. The plants are generally short, have close internodes, and are dark green. In some lines, the leaves are so long that they droop, and the ends may touch the soil. These types usually stay green until maturity, when the leaves go from green to brown. This is a large group and probably contains some dark-fired and cigar-binder types.

Cigar-wrapper.—The cigar-wrapper type is generally a tall plant with a relatively spreading seedhead and fairly long internodes that produce broad leaves of moderate size. Some of the plants classified as cigar wrapper may have a more pointed leaf than the typical cigar-wrapper cultivars.

Flue-cured.—The flue-cured types are generally divided into broadleaf and narrowleaf groups. The narrowleaf types are characterized by wide spacing of the leaves on the stalk and relatively narrow and pointed leaves that grow more or less horizontal to the ground. The leaves are generally medium in length. The broadleaf types have broader leaves, sometimes almost oval. All flue-cured types are characterized by gradual ripening of the leaves up the stalk; the leaves usually have a yellow cast when mature, while the leaves of most other types will go from green to brown on maturing. The flue-cured lines have a fairly long flower stalk with a relatively open flower head.

Hungarian.—A type of oriental tobacco that contrasts with the Turkish type, Hungarian has a somewhat larger leaf and closer internodes. The outstanding feature of this type is the position of the flower head, which is recessed between the upper leaves and has a short stalk. Actually, the top leaves may appear to be above the seed head. All plants classified as Hungarian have this characteristic flower head.

Primitive.—All types described except primitive have a main central stem and do not branch very profusely until after the top is broken out. The primitive types are characterized by profuse branching, and many lines do not have a central stem. The plants are generally low growing with small leaves, which are extremely narrow. The primitive types bloom quite early and produce very few leaves, but the branches contain many small leaves.

Pale yellow.—The pale-yellow types are plants

that contain the dominant *PY* gene (Chaplin 1969). The leaf shape, height of plant, etc. will vary. When grown under flue-cured or low-nitrogen conditions, the plants lose much of their green color as they mature. In a short time after flowering, the plants become light yellow. All leaves on the stalk turn yellow at about the same time and resemble burley tobacco in color. But, unlike burley, the stalk remains green. The stalk and midrib of the leaves at maturity may be a little lighter than those of normal green types.

Turkish.—The Turkish group contains lines that resemble Turkish or oriental cultivars. The Turkish group is variable and ranges from pointed- to rounded-leaf types. The plants so classified are small and have smaller leaves than most other types; some have leaves with a naked petiole, and some of the plants lodge. The Turkish types flower early but produce a flower head that protrudes well above the top leaves. The classification in this catalog does not associate the type with the Turkish aroma characteristics.

PLANT CHARACTERISTICS

Leaf attachment.—"Leaf attachment" refers to the description of the petiole where it is attached to the stem. This may be either petiolate (P) or sessile (S).

Flower color.—Flower color is designated as white (W), pink (P), or red (R). In some TI's of mixed origin, the flower color varies from plant to plant, in which case the predominant color is given. Only those flowers completely lacking pigmentation were considered to be white, and only those having easily distinguishable red color were considered red. All intermediate shades were designated pink. There are many shades of pink among the flowers in the collection.

Time to flower.—Time to flower is the number of days from transplanting to the field until the first blossom in the flower head was fully open in the test at Oxford and when 50% of the flowers in the head were open in the Lexington test.

Leaf angle.—Leaf angle was determined by measuring the number of degrees between the stem and the upper leaf surface at the point of attachment to the stem. This measurement was taken on the largest leaf of each plant just before harvest.

Leaf width and length.—Leaf width and length were measured on the largest leaf of each plant

just before harvest. The width was determined at the broadest part of the leaf.

Number of leaves per plant.—The number of leaves per plant was counted after topping. All leaves on the main stem were included. The primitive types were broken to one main stem, and the leaves on that main stem were counted.

Total number of suckers.—The total number of suckers was counted pretopping and posttopping. The pretopping suckers were counted just before topping. At Oxford, the posttopping suckers were counted twice, 2 and 4 weeks after topping, and the numbers were added together to give the total recorded in the table. The posttopping sucker count at Lexington was taken at time of harvest.

Plant height.—Plant height was measured before topping, at the time of flowering. The distance from the soil surface to the point where the plants would be topped was measured on each plant.

Plant yield.—Plant yield was measured by weighing all of the cured leaves from each plant.

REFERENCES

- Burk, Lawrence G., and Heggstad, Howard E.
1959. Characteristics of a world collection of introduced *N. tabacum* types. U.S. Dep. Agric. Crops Res. CR-32-59, pp. P1-P11.
- Chaplin, James F.
1969. Inheritance and possible use of pale-yellow character in tobacco. *Crop Sci.* 9: 169-172.
- Chaplin, J. F.; Baumhover, A. H.; Burk, L. G.; Elsey, K. D.; and Miles, J. D.
1976. Tobacco budworm resistance in *Nicotiana tabacum*. *Tob. Sci.* 20: 149-150.
- Chaplin, James F., and Gooding, G. V.
1969. Reaction of diverse *Nicotiana tabacum* germplasm to tobacco mosaic virus. *Tob. Sci.* 13: 130-133.
- Clayton, E. E.
1953. Control of tobacco diseases through resistance. *Phytopathology* 43: 239-244.
1969. The study of resistance to black root rot disease of tobacco. *Tob. Sci.* 13: 30-37.
- Clayton, E. E.; Graham, T. W.; Todd, F. A.; Gaines, J. G.; and Clark, F. A.
1958. Resistance to the root knot disease of tobacco. *Tob. Sci.* 2: 53-63.
- Clayton, Edward E., and Smith, Thomas E.
1942. Resistance of tobacco to bacterial wilt (*Bacterium solanacearum*). *J. Agric. Res. (Washington, D.C.)* 65: 547-554.
- Grosso, J. J.
1976. Reaction of diverse *Nicotiana tabacum* germplasm to blue mold. *Tob. Sci.* 20: 147-148.

- Henika, F. S.
 1932. The inheritance of the white burley character in tobacco. J. Agric. Res. (Washington, D.C.) 44: 477-493.
- Johnson, Albert W.
 1978. Evaluation of several *Nicotiana tabacum* entries for resistance to two tobacco insect pests. Tob. Sci. 22: 41-43.
- Litton, C. C.; Collins, G. B.; and Legg, P. D.
 1970. Reaction of *Nicotiana tabacum* and other *N. species* to race 0 and 1 of *Phytophthora parasitica* var. *nicotianae*. Tob. Sci. 14: 128-130.
- Sievert, R. C.
 1972a. Resistance to anthracnose in the genus *Nicotiana*. Tob. Sci. 16: 32-34.
- 1972b. Sources of resistance to potato virus Y in the genus *Nicotiana*. Tob. Sci. 16: 92-94.
- Stavelly, J. R.
 1971. Resistance to frog-eye leafspot in diverse *Nicotiana tabacum* germplasm. Tob. Sci. 15: 132-134.
- Stavelly, J. R.; Gwynn, G. R.; Chaplin, J. F.; Graham, T. W.; and Main, C. E.
 1981. Brown spot resistance in *Nicotiana tabacum* germplasm. Tob. Sci. 25: 24-29.
- Thurston, Richard.
 1979. Susceptibility in *Nicotiana* to the Colorado potato beetle. Tob. Sci. 23: 70-71.

CATALOG OF TOBACCO INTRODUCTIONS

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant		
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped	Post-topped	Height (cm)	Yield (g)
4	404935	Cuba	-----	P	S	P	Oxford --	42	129	23	34	15	3	18	93	59
7	404936	Algeria	Arbi	CW	S	W	Lexington	49	90	24	41	17	11	14	107	57
							Oxford --	54	84	22	38	20	8	18	131	80
11	404937	Puerto Rico.	-----	P	S	P	Lexington	72	83	22	41	29	24	12	167	81
							Oxford --	43	118	19	46	15	16	13	126	48
14	59335	Uruguay	Amarillo Rio Grande do Sul, No. 1.	PY	S	P	Lexington	56	91	18	45	18	12	15	149	27
							Oxford --	65	79	29	56	15	0	6	125	91
25	404938	-----do-----	-----	CF	S	P	Lexington	76	72	28	64	27	2	10	148	139
							Oxford --	45	105	24	48	14	0	27	70	91
36	404939	-----do-----	-----	P	S	P	Lexington	54	80	29	52	20	6	7	83	37
							Oxford --	40	99	20	45	13	5	21	105	45
39	404940	-----do-----	-----	P	S	P	Lexington	47	91	17	46	17	8	12	100	37
							Oxford --	42	123	18	42	11	10	20	107	43
51	404941	Peru	No. 5 R silvestre	CW	S	R	Lexington	49	87	13	38	17	14	8	89	25
							Oxford --	65	110	31	51	16	1	9	175	82
52	404942	-----do-----	No. 4 B silvestre	CW	S	W	Lexington	66	118	30	55	26	5	16	216	23
							Oxford --	57	81	27	42	15	16	17	160	55
57	404943	Argentina	Correntino	CF	S	P	Lexington	67	73	23	40	19	17	11	131	38
							Oxford --	47	90	25	55	16	4	17	90	75
58	404944	-----do-----	Lampazo	PY	S	P	Lexington	51	88	23	67	17	17	11	109	76
							Oxford --	47	87	25	51	16	1	19	129	70
59	52177	Africa	-----	P	S	P	Lexington	54	84	22	49	17	4	9	123	44
							Oxford --	40	123	22	39	13	9	16	88	61
60	50841	-----do-----	N'Gana N'Gana	P	S	P	Lexington	57	78	23	49	18	20	12	149	46
							Oxford --	42	96	24	38	13	9	16	95	52
61	50840	-----do-----	-----	P	P	P	Lexington	45	63	21	42	16	12	11	90	35
							Oxford --	40	95	23	41	14	6	25	93	52
62	404945	-----do-----	Bahia	CF	S	P	Lexington	53	89	16	36	14	8	11	87	25
							Oxford --	47	93	23	48	16	3	18	109	77
66	59336	Uruguay	-----do-----	CW	S	R	Lexington	63	88	16	51	20	6	14	121	53
							Oxford --	52	91	27	51	17	3	18	120	89
68	64315	China	Aromatic Chinese	P	P	P	Lexington	56	87	25	56	20	4	14	153	39
							Oxford --	25	139	12	24	11	6	21	48	21
69	62293	Algeria	Colon	H	S	P	Lexington	57	67	13	23	6	5	5	28	6
							Oxford --	49	85	27	47	16	1	8	70	75
70	404946	China	-----	P	S	P	Lexington	55	69	30	68	20	6	9	90	63
							Oxford --	43	106	22	45	15	8	15	94	55
72	404947	Persia	Persian type 2	P	S	P	Lexington	46	89	25	55	15	17	14	116	56
							Oxford --	40	90	27	38	14	5	14	90	57
73	404948	-----do-----	Persian type 1	P	S	P	Lexington	46	82	26	42	13	13	6	107	28
							Oxford --	38	105	23	43	13	5	20	115	57
74	404949	Uruguay	Amarillo Rio Grande do Sul, No. 1.	PY	S	P	Lexington	45	66	14	34	16	3	8	82	18
							Oxford --	57	79	22	55	14	1	8	118	114
75	404950	Honduras	-----	CW	S	W	Lexington	62	75	31	79	20	4	10	150	136
							Oxford --	47	85	29	47	16	10	12	119	73
							Lexington	54	77	22	41	20	8	9	116	46

77	404951	-----	CF	S	P	Oxford --	49	88	28	53	17	6	20	114	100
78	404952	Philippines.	CW	S	P	Oxford --	61	83	30	67	22	19	12	146	105
79	67720	Java -----	CW	S	P	Oxford --	61	81	31	55	15	1	16	116	91
80	70813	China -----	P	S	P	Oxford --	47	95	25	43	15	4	18	171	100
81	73505	Java -----	P	S	P	Oxford --	57	89	24	46	21	10	18	135	58
82	70987	People's Republic of China.	CW	S	P	Oxford --	44	116	19	42	13	6	18	165	45
83	404953	-----	P	S	--	Oxford --	47	94	15	41	17	18	14	106	34
84	59339	Uruguay --	P	S	--	Oxford --	47	100	23	48	14	3	15	119	57
85	59334	-----do-----	P	S	P	Oxford --	58	73	23	61	19	13	10	154	30
86	404954	Russia ---	CW	S	P	Oxford --	54	89	24	48	19	9	16	141	86
87	404955	-----do-----	-----	-----	-----	Lexington	80	91	22	53	25	5	--	181	25
88	404956	-----do-----	-----	-----	-----	Oxford --	51	75	29	42	16	3	11	116	93
89	404957	-----do-----	CW	S	R	Oxford --	56	64	34	55	21	10	6	150	38
90	404958	-----do-----	P	S	P	Oxford --	36	107	25	42	14	8	10	85	48
91	404959	-----do-----	P	S	P	Lexington	48	99	24	48	11	7	12	90	27
92	404960	-----do-----	P	S	R	Oxford --	51	91	23	47	16	2	12	119	80
93	404961	-----do-----	T	P	P	Oxford --	67	96	19	45	18	6	12	113	29
94	404962	-----do-----	T	P	P	Oxford --	42	123	20	37	16	8	17	108	77
95	404963	-----do-----	T	S	P	Lexington	46	68	21	47	20	15	13	102	36
96	404964	-----do-----	T	S	P	Oxford --	43	101	25	42	15	10	16	89	66
97	404965	-----do-----	T	S	P	Lexington	53	77	23	46	20	14	19	105	60
98	404966	-----do-----	T	P	P	Oxford --	42	102	25	43	15	1	14	108	64
99	404967	-----do-----	T	S	P	Lexington	48	98	28	53	28	7	21	123	97
100	404968	-----do-----	T	S	P	Oxford --	35	113	20	36	11	11	12	75	30
101	404969	-----do-----	T	S	P	Lexington	32	70	17	31	8	7	7	40	29
102	404970	-----do-----	T	S	P	Oxford --	27	73	19	34	12	8	13	54	32
103	404971	-----do-----	T	P	P	Lexington	44	82	25	49	16	10	13	106	74
104	404972	-----do-----	T	P	P	Oxford --	37	100	25	42	13	6	23	91	50
105	404973	-----do-----	T	P	P	Lexington	44	78	25	45	15	14	10	109	41
106	404974	-----do-----	T	P	P	Oxford --	38	97	19	39	13	7	29	94	57
107	404975	-----do-----	T	P	P	Lexington	41	77	16	38	17	17	12	76	28
108	404976	-----do-----	T	P	P	Oxford --	44	110	23	42	15	5	20	93	50
109	404977	-----do-----	P	S	P	Lexington	44	97	23	46	25	3	12	94	56
110	404978	-----do-----	FC	S	P	Oxford --	37	124	19	42	13	11	18	83	45
111	404979	-----do-----	B	S	P	Lexington	42	83	22	51	14	16	10	108	38
112	404980	-----do-----	B	S	P	Oxford --	49	89	23	47	15	15	15	84	80
113	404981	-----do-----	CW	P	P	Lexington	57	79	24	65	20	16	14	132	58
114	404982	-----do-----	CW	P	P	Oxford --	45	77	20	42	16	12	18	102	77
115	404983	-----do-----	CF	S	P	Lexington	49	76	24	50	19	9	15	122	53
116	404984	-----do-----	CF	S	P	Oxford --	51	92	28	48	15	7	19	113	70
117	404985	-----do-----	CF	S	P	Lexington	61	85	33	53	22	15	12	161	53
118	404986	-----do-----	CF	S	P	Oxford --	47	90	24	55	17	6	15	109	84
119	404987	-----do-----	CF	S	P	Lexington	53	94	24	63	19	12	15	126	75
120	404988	-----do-----	CF	S	P	Oxford --	65	67	24	56	21	0	5	282	127
121	404989	-----do-----	CF	S	P	Lexington	80	77	20	61	34	4	--	205	155
122	404990	-----do-----	CF	S	P	Oxford --	47	73	29	53	15	2	13	141	102
123	404991	-----do-----	CF	S	P	Lexington	56	73	26	58	18	4	12	166	67

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant				
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre- topped		Post- topped	Height (cm)	Yield (g)	
104	404969	Venezuela	Tabaco Corriente	----	CF	S	P	Oxford	--	57	89	28	55	17	2	8	125	82
105	404970	----	----	----	CF	S	P	Oxford	--	67	97	21	58	21	2	10	115	33
106	404971	----	Tabaco Negro	-----	T	P	R	Oxford	--	73	74	20	61	30	20	5	188	102
107	105961	Brazil	S. Gaucho	-----	P	S	P	Oxford	--	44	133	41	57	13	3	15	119	68
108	105960	----	Americano Tracuetea	-	PY	S	P	Oxford	--	57	115	26	59	17	3	9	115	44
109	105954	Colombia	Native No. 12	-----	FC	S	P	Oxford	--	43	94	32	47	14	5	16	104	70
111	105951	----	----	-----	CW	S	R	Oxford	--	53	59	26	48	17	9	9	136	39
112	105950	----	----	-----	CF	S	P	Oxford	--	51	95	23	45	16	8	16	140	64
113	105952	----	----	-----	P	S	P	Oxford	--	55	59	21	65	18	1	9	109	67
115	404972	Argentina	Cubano De La Sierra	--	CW	S	P	Oxford	--	45	72	36	56	15	2	8	100	111
116	404973	----	Habano Cclorado	-----	FC	S	P	Oxford	--	56	53	36	68	18	0.5	6	134	86
117	80250	Mexico	----	-----	CF	S	P	Oxford	--	57	93	29	52	16	0	7	150	80
119	404974	People's Republic of China.	----	-----	CW	S	P	Oxford	--	69	100	30	53	24	11	17	195	74
122	404975	Philippines.	Manilla	-----	CW	S	P	Oxford	--	77	76	28	56	19	5	16	185	127
123	404976	People's Republic of China.	Cuban High Nicotine	--	CF	S	P	Oxford	--	42	91	25	46	11	7	18	92	64
124	404977	----	Little Waxy	-----	CF	S	P	Oxford	--	49	93	25	48	16	0	11	114	100
125	405513	Java	Orinoco Like	-----	P	S	P	Oxford	--	59	90	28	62	17	4	13	153	30
126	404978	----	Sumatra Like	-----	CW	S	P	Oxford	--	47	81	32	56	18	3	12	119	84
128	404979	Brazil	Baiano	-----	H	S	P	Oxford	--	55	80	23	54	20	6	13	146	68
129	404980	----	Gofano	-----	T	P	P	Oxford	--	47	88	31	53	16	2	15	106	75
130	404981	Brazil	Paraense	-----	PY	S	P	Oxford	--	67	97	26	53	17	6	10	128	40
131	404982	----	Sul De Minas	-----	CF	S	R	Oxford	--	47	100	25	51	15	5	22	109	64
132	404983	----	Mineiro	-----	PY	S	P	Oxford	--	55	72	21	51	19	19	10	155	50
										38	122	29	52	12	4	16	96	59
										47	90	26	51	13	4	9	113	35
										47	81	29	48	12	2	14	95	66
										55	67	66	35	19	2	8	134	121
										33	87	27	43	14	16	10	98	57
										41	90	28	46	17	15	9	88	47
										44	125	22	46	13	10	14	92	50
										53	86	24	49	19	19	6	116	40
										61	50	27	48	19	0	4	137	100
										74	71	27	58	27	1	8	151	107
										57	87	22	45	19	0	10	161	64

133	404984	Puerto Rico.	Ututo	-----	P	S	P	Lexington	76	85	24	61	22	3	9	147	80
134	404985	---do---	Ceniza	-----	P	S	P	Oxford --	42	105	24	48	13	8	20	108	50
135	404986	---do---	Florida	-----	P	S	P	Oxford --	56	88	23	47	16	12	9	123	32
136	404987	---do---	Virginia	-----	P	S	P	Oxford --	35	113	25	43	12	10	12	90	61
138	71813	Africa ---	Chobo Giant	-----	P	S	P	Oxford --	48	98	22	43	11	12	8	106	26
139	71812	Nyasaland	Possibly from a <u>N. rustica</u> hybrid.	---	P	S	P	Oxford --	38	108	23	39	15	7	25	102	45
141	106576	British Guiana.	Buck Tobacco, Zure	---	CF	S	P	Oxford --	49	92	27	48	12	14	13	107	34
143	106958	---do---	-----	---	CW	S	P	Oxford --	40	113	23	47	13	4	28	105	52
144	107264	Peru -----	Wild, Piura	-----	CW	S	P	Oxford --	51	90	18	47	16	11	14	122	34
148	404988	Philip-pines.	Romero	-----	P	P	P	Oxford --	47	105	18	41	15	9	17	102	52
149	404989	---do---	Vizcaya	-----	CW	S	P	Oxford --	54	106	16	43	18	15	13	130	36
150	404990	---do---	Repollo	-----	CW	S	P	Oxford --	40	100	25	45	13	6	14	96	68
151	404991	---do---	Espado	-----	CW	S	P	Oxford --	40	89	22	43	12	7	10	79	39
152	404992	Philip-pines.	Simnaba	-----	CW	S	P	Oxford --	65	81	24	51	24	5	26	144	111
153	404993	---do---	Pumpano	-----	CW	S	P	Oxford --	76	91	26	56	35	16	--	163	114
154	107475	Dutch Guiana.	-----	---	CW	S	P	Oxford --	61	78	28	41	16	8	10	153	70
156	109940	Venezuela	Cultivated Tobacco	---	CW	S	P	Oxford --	76	98	28	44	21	16	12	155	54
157	110515	Peru -----	Silvestre	-----	CW	S	R	Oxford --	43	90	27	55	15	4	18	117	80
158	404994	Japan -----	Kagoshima Maruba	-----	T	S	P	Oxford --	58	99	27	67	17	7	12	152	69
160	404995	---do---	Nuitsu	-----	P	S	P	Oxford --	38	129	22	43	12	4	18	106	32
160	404996	---do---	-----do-----	---	P	P	P	Oxford --	43	116	12	28	10	4	10	69	13
161	404997	---do---	Higo	-----	CW	P	P	Oxford --	45	86	31	60	14	2	19	121	75
161	404998	---do---	-----do-----	---	FC	S	P	Oxford --	61	94	23	53	17	5	9	150	55
B								Lexington	45	102	29	60	14	1	16	120	77
								Lexington	55	83	26	72	18	6	10	142	90
								Lexington	47	93	25	55	15	1	11	132	80
								Lexington	57	80	23	59	20	4	10	169	62
								Lexington	47	75	31	55	15	1	8	122	68
								Lexington	55	66	35	65	17	7	12	144	55
								Lexington	45	92	32	53	15	3	15	116	98
								Lexington	55	91	27	55	18	6	12	147	74
								Lexington	49	74	29	46	16	1	12	110	59
								Lexington	61	64	28	50	21	5	14	166	65
								Lexington	57	84	24	46	16	22	11	166	70
								Lexington	67	96	23	49	24	23	14	179	67
								Lexington	73	100	28	52	17	1	5	173	77
								Lexington	72	117	32	57	22	5	12	181	93
								Lexington	49	99	27	38	16	5	16	132	80
								Lexington	56	72	22	30	18	9	11	95	30
								Lexington	40	123	27	39	12	4	17	94	59
								Lexington	53	92	30	47	15	10	13	123	72
								Lexington	38	119	18	37	12	7	31	105	50
								Lexington	51	101	17	40	18	11	11	117	38
								Lexington	45	76	36	52	14	3	12	108	73
								Lexington	57	103	36	73	20	7	10	168	100
								Lexington	47	75	41	55	15	2	13	115	95
								Lexington	55	98	33	73	18	7	12	169	79

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PV=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)		
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre- topped			Post- topped	
162	404999	Japan	Nambu	P	P	P	Oxford	--	40	134	28	46	12	3	20	106	57
163	405000	---do---	Katsuyama	CF	S	W	Lexington	--	40	91	29	52	12	13	8	93	43
164	405001	---do---	Kokubu	CW	S	P	Lexington	--	58	78	36	61	15	5	7	64	93
165	405002	---do---	Hatano	CF	S	P	Oxford	--	51	93	28	47	17	1	11	93	28
166	405003	---do---	AWA	FC	S	P	Lexington	--	59	58	27	52	23	7	11	138	59
167	405004	---do---	Suifu	CW	P	P	Lexington	--	42	83	41	58	14	1	12	168	65
168	405005	---do---	Matsukawa	CF	S	P	Lexington	--	55	82	34	58	17	3	9	102	102
169	405006	---do---	Sagusya	CW	S	R	Oxford	--	49	88	32	53	15	0	11	96	96
170	405007	---do---	Dawma	CF	S	P	Lexington	--	56	77	28	60	22	3	9	138	82
171	110680	Brazil	Pretinho	P	S	P	Oxford	--	42	158	25	48	13	3	15	153	88
172	110681	---do---	Saraca	CF	S	P	Lexington	--	53	124	28	51	17	4	7	113	66
173	110679	Brazil	Barwry	FC	S	P	Oxford	--	43	84	41	59	16	2	12	132	54
174	110854	Colombia	Cali	CW	S	R	Lexington	--	57	82	30	53	16	3	8	82	100
177	111003	---do---	Tabaquillo	P	S	P	Oxford	--	49	81	28	55	17	0	8	90	50
178	405008	---do---		P	S	P	Lexington	--	60	100	23	59	23	2	6	139	59
179	405009	---do---		P	S	P	Oxford	--	43	74	41	59	13	0	10	187	67
180	112115	Honduras	Chichicaste	P	S	P	Lexington	--	67	52	25	53	15	4	5	77	111
181	112200	Mexico	Cordoba Type	P	S	P	Oxford	--	43	106	22	47	15	18	15	111	43
182	112201	---do---	Criollo	P	S	P	Lexington	--	46	101	18	45	14	14	14	135	45
183	112202	---do---	Habanero Blanco	P	S	P	Oxford	--	49	125	23	50	18	5	20	136	30
184	112203	---do---	Habanero Legitimo	P	S	P	Lexington	--	56	87	19	54	23	22	9	138	75
185	112204	---do---	Valle Nacional	P	S	P	Oxford	--	45	73	23	53	15	7	12	93	118
186	112205	Mexico	Vena Amarilla	B	S	P	Lexington	--	52	52	17	59	15	9	12	78	46
187	112206	---do---	Cultivated Tobacco	B	S	P	Oxford	--	49	74	33	46	16	5	14	118	82

188	112207	----do----	Tlapacoyan	----	P	S	P	Lexington	54	82	22	47	18	11	11	128	55
189	112208	----do----	-----	----	P	S	W	Lexington	54	103	31	53	14	5	12	123	91
191	112158	----do----	Cordoba Type	----	P	S	W	Lexington	52	110	23	35	14	13	9	105	25
192	112159	----do----	----do----	----	CW	S	W	Lexington	51	90	21	39	12	6	10	116	26
193	112160	----do----	----do----	----	P	S	W	Lexington	54	67	34	49	17	4	8	115	66
194	112161	----do----	----do----	----	P	S	W	Lexington	47	90	25	42	12	7	9	109	31
195	112162	----do----	----do----	----	FC	S	W	Lexington	54	104	17	35	13	7	10	112	30
196	112163	----do----	----do----	----	P	S	W	Lexington	76	74	30	47	15	2	6	96	36
197	112164	----do----	----do----	----	CW	S	W	Lexington	48	114	19	38	13	5	10	115	59
198	112165	Mexico ---	Cordoba Type	----	FC	S	W	Lexington	50	92	30	48	17	3	9	107	66
202	112169	----do----	Jamaica	----	P	S	P	Lexington	50	86	25	47	14	2	13	111	61
203	112170	----do----	Negro Apilador	----	P	S	P	Lexington	50	78	26	50	17	7	8	103	29
204	112171	----do----	Orinoco Negro, Valle-	----	CF	S	W	Lexington	40	78	25	53	14	6	17	85	50
205	112172	----do----	Jano, Cubano.	----	CF	S	P	Lexington	50	76	24	63	16	8	12	91	54
206	112173	----do----	Orinoco	----	CF	S	P	Lexington	50	65	21	56	16	6	13	95	59
207	112174	----do----	Orinoco Blanco	----	FC	S	W	Lexington	56	80	20	36	16	7	6	77	16
208	112175	----do----	Orinoco Hoja Ancha	----	P	S	P	Lexington	58	70	25	59	16	4	9	115	36
209	112176	----do----	Orinoco Huero	----	CF	S	P	Lexington	49	96	25	52	16	15	9	102	31
211	112178	----do----	Orinoco Negro	----	CF	S	P	Lexington	54	71	18	47	18	7	10	102	38
212	112179	----do----	Orinoco Negro, Valle-	----	CW	S	P	Lexington	57	51	13	39	16	8	4	88	30
213	112180	----do----	Jano, Cubano.	----	CF	S	P	Lexington	49	79	23	46	13	8	10	85	27
214	112181	----do----	San Andres Tuxtla	----	CF	S	P	Lexington	45	83	25	53	16	12	13	129	66
215	112182	----do----	Tabaco Mulato	----	CF	S	P	Lexington	50	74	24	58	17	15	11	123	61
216	112183	----do----	Tabaco Corriente	----	P	S	P	Lexington	47	90	24	53	16	7	17	119	61
			Vallejo	----	CF	S	P	Lexington	53	69	24	58	18	10	13	131	124
				----				Lexington	46	66	22	58	13	7	13	78	49
				----				Lexington	40	74	28	53	15	4	15	80	66
				----				Lexington	50	52	23	61	14	8	8	92	60

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attachment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)
									Angle (°)	Width (cm)	Length (cm)	No./plant	Pre-topped	Post-topped	
217	112184	Mexico	Vena Amarilla	CF	S	P	Oxford	38	96	27	48	14	7	18	59
218	112185	do	do	CF	S	P	Lexington	54	65	17	43	16	9	12	33
219	112186	do	do	CW	S	P	Lexington	54	97	31	53	13	4	16	75
220	112187	do	do	FC	S	P	Oxford	43	116	24	52	16	3	10	59
221	112188	do	do	FC	S	P	Lexington	54	98	22	41	16	12	14	62
222	112189	do	do	P	S	P	Oxford	48	71	24	44	20	14	15	107
223	112190	Mexico	Unknown Variety	CF	S	W	Lexington	50	85	36	59	16	5	14	37
224	112191	do	do	P	S	P	Oxford	42	105	33	64	14	5	10	55
225	112192	do	do	CF	S	W	Lexington	52	93	19	56	13	1	20	36
226	112193	do	do	CW	S	W	Lexington	59	86	18	68	18	9	10	77
227	112194	do	do	P	S	P	Oxford	42	97	28	57	16	3	16	51
228	405010	do	do	P	S	P	Lexington	52	87	26	66	17	2	12	75
229	405011	do	do	CW	S	P	Oxford	52	87	27	45	14	1	18	31
230	405514	do	do	P	S	P	Lexington	45	103	25	52	17	5	9	52
231	112226	do	do	CF	S	P	Lexington	51	94	24	55	20	8	9	45
232	112227	do	do	P	S	P	Oxford	62	83	37	50	16	0	11	73
233	112228	do	do	CW	S	P	Lexington	54	92	20	48	22	8	14	52
234	112229	do	do	P	S	P	Oxford	40	102	27	46	14	2	14	80
237	112126	do	do	CF	S	P	Lexington	52	96	33	59	12	8	13	67
238	112127	do	do	FC	S	P	Oxford	44	79	31	50	14	2	15	64
239	112128	do	do	P	S	P	Lexington	50	80	29	54	17	3	9	47
240	112129	do	do	FC	S	P	Oxford	42	85	29	57	15	5	12	89
241	112130	do	do	FC	S	P	Lexington	50	70	24	52	14	5	11	34
								80	95	24	50	11	4	22	66
								38	100	16	39	12	11	9	21
								45	96	18	46	13	9	14	64
								51	51	29	57	20	5	5	36
								72	65	28	66	22	5	8	139
								40	89	28	50	15	8	17	111
								52	98	23	51	17	8	11	59
								48	77	23	48	15	9	9	49
								57	80	29	43	16	7	9	59
								76	88	28	55	19	16	9	57
								40	121	24	42	11	5	17	85
								44	83	25	54	14	13	13	45
								42	86	27	55	16	2	16	68
								49	69	24	62	16	0.5	9	56
								35	100	23	45	12	13	11	39
								48	59	22	51	15	10	12	31
								40	81	24	46	15	7	18	66
								40	63	21	46	15	10	10	38
								40	84	25	45	14	7	12	82
								53	62	22	47	17	3	6	45

242	112131	---do----	Cash	-----	FC	S	P	Oxford	--	47	82	37	58	16	4	13	131	91
243	112132	---do----	Cordoba Type	-----	CF	S	P	Oxford	--	61	57	21	55	19	3	10	110	59
245	112134	---do----		-----	P	S	W	Oxford	--	55	81	20	56	19	6	11	133	67
246	112135	Mexico ---	Mata de Cana	-----	P	S	W	Oxford	--	40	102	24	43	13	2	18	90	57
247	112136	---do----	Cordoba Type	-----	P	S	P	Oxford	--	40	119	22	43	12	0	19	106	57
248	112137	---do----		-----	CF	S	W	Oxford	--	40	94	27	45	16	1	11	98	75
249	112138	---do----		-----	FC	S	P	Oxford	--	47	65	31	56	16	4	12	126	75
250	112139	---do----		-----	P	S	P	Oxford	--	53	80	28	59	16	1	8	125	56
251	112140	---do----		-----	P	S	W	Oxford	--	40	94	28	42	14	1	19	89	61
252	112141	---do----		-----	P	S	W	Oxford	--	40	100	27	46	12	1	18	98	61
254	112143	---do----		-----	CW	S	P	Oxford	--	45	106	26	47	12	4	9	102	40
255	112144	---do----		-----	P	S	W	Oxford	--	40	101	27	46	12	1	15	95	61
256	112145	---do----		-----	CF	S	W	Oxford	--	40	103	32	48	13	0	13	106	70
257	112146	---do----		-----	CW	S	P	Oxford	--	57	85	33	52	14	8	16	149	68
258	112147	---do----		-----	P	S	P	Oxford	--	69	69	29	51	20	13	5	140	68
259	112148	---do----		-----	P	S	W	Oxford	--	50	87	21	49	13	8	12	117	17
260	112149	---do----		-----	P	S	W	Oxford	--	40	114	23	42	12	0	18	96	61
261	112150	---do----		-----	CF	S	W	Oxford	--	42	92	24	42	11	4	15	96	41
262	112151	---do----		-----	P	S	P	Oxford	--	40	98	31	47	15	1	18	108	66
263	112152	---do----		-----	P	S	P	Oxford	--	42	88	29	51	13	2	14	115	62
264	112153	---do----		-----	FC	S	P	Oxford	--	53	75	13	36	13	9	10	77	31
265	112154	---do----		-----	NT	S	P	Oxford	--	40	97	27	47	11	5	12	98	80
266	112155	---do----		-----	CF	S	P	Oxford	--	54	59	24	45	13	9	9	113	23
267	112156	---do----		-----	CW	S	P	Oxford	--	49	71	32	52	18	6	13	116	82
										55	73	31	56	19	7	11	132	81
										40	92	32	43	17	9	8	93	64
										47	83	25	38	11	3	8	82	32
										57	75	23	54	16	2	15	116	73
										47	86	31	51	15	10	16	148	67
										54	75	31	57	17	15	12	146	78

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attachment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre- topped	Post- topped	
268	112157	Mexico	Cordoba Type	P	S	W	Oxford	--	103	23	46	13	2	17	66
269	112359	---do---	Virginia	CF	S	W	Lexington	48	82	21	42	11	7	7	110
270	112358	---do---	Orejon Palmeno	CW	S	P	Lexington	65	85	31	56	16	2	13	103
271	112357	---do---	Cultivated Tobacco	T	P	W	Oxford	--	105	25	59	19	2	13	117
272	112356	---do---	---do---	FC	S	P	Lexington	47	71	25	45	15	4	12	99
273	112355	---do---	Virginia	FC	S	P	Lexington	61	78	27	56	12	5	7	86
275	112234	---do---	Cultivated Tobacco	P	S	P	Oxford	45	120	27	45	13	1	13	106
276	112235	---do---	---do---	P	P	W	Lexington	50	75	32	52	16	4	13	136
277	112236	---do---	Bonanza	FC	S	P	Oxford	47	78	32	51	17	5	14	116
278	112237	---do---	Cash	FC	S	P	Lexington	54	76	25	64	20	3	8	122
279	112238	---do---	Orinoco	FC	S	P	Oxford	--	105	22	46	15	7	16	105
281	112240	---do---	Orinoco Claro	FC	S	W	Lexington	49	73	23	54	17	8	7	86
282	112241	---do---	Orinoco Negro	FC	S	P	Oxford	55	115	25	42	14	9	20	80
283	112242	---do---	Orinoco Oscuro	FC	S	W	Lexington	53	66	32	55	21	15	14	124
284	112243	---do---	Virginia	P	S	P	Oxford	--	124	25	50	14	13	15	100
285	405012	Honduras	Pina	FC	S	W	Lexington	53	96	20	48	14	16	10	114
286	405013	---do---	Hondurano	P	S	P	Oxford	--	78	32	57	14	10	17	103
287	405014	U.S.A., N.C.	Black Shank Resistant	CW	S	P	Lexington	44	67	24	66	20	5	14	119
288	111459	Colombia	---do---	FC	S	P	Oxford	56	81	31	55	15	6	16	118
289	112310	---do---	Chocoma	CW	S	P	Lexington	56	62	18	48	15	6	9	116
290	112312	---do---	Volunteer Plant	CF	S	P	Oxford	--	90	36	53	17	8	11	97
291	405515	Colombia	American	T	S	W	Lexington	49	73	32	54	14	6	9	90
292	405516	---do---	Cubano	FC	--	P	Lexington	54	62	29	51	19	2	12	137
							Lexington	57	70	26	55	22	3	16	164
							Oxford	--	87	23	52	17	6	18	111
							Lexington	52	78	23	58	18	19	16	127
							Oxford	--	84	22	46	16	3	15	84
							Lexington	56	76	19	40	17	0	10	99
							Oxford	--	93	22	48	15	5	20	107
							Lexington	54	99	19	47	20	9	16	102
							Oxford	--	77	29	50	16	4	15	120
							Lexington	45	66	26	59	19	2	9	122
							Oxford	--	107	24	47	15	8	15	120
							Lexington	58	112	17	38	17	11	14	132
							Oxford	--	99	32	52	15	5	15	114
							Lexington	62	70	18	43	20	5	12	126
							Oxford	--	68	34	56	15	6	17	133
							Lexington	47	66	22	57	18	4	12	125
							Oxford	--	78	31	51	17	5	17	119
							Lexington	56	98	27	52	20	7	13	136
							Oxford	--	89	33	52	16	4	14	115
							Lexington	53	67	28	51	20	10	10	88
							Oxford	--	108	28	43	14	1	9	110
							Lexington	41	86	29	53	11	11	9	87
							Oxford	--	84	38	53	17	8	17	130
							Lexington	61	67	28	54	19	4	15	121

293	405517	----do----	Mixed	-----	FC	--	P	Oxford	--	49	87	36	52	16	5	15	139	118
295	405015	----do----	-----	-----	FC	--	P	Oxford	--	54	62	26	55	17	3	12	122	51
296	405016	----do----	Garcia	-----	CF	--	P	Lexington	--	50	80	17	53	17	12	9	108	54
297	405017	----do----	-----	-----	FC	--	P	Lexington	--	63	85	20	57	23	14	14	143	81
301	112322	Mexico	Volunteer Plant	-----	CF	S	P	Lexington	--	52	115	24	48	18	3	15	117	91
302	112323	-----	Broad Leaf, Lot 1	-----	P	S	P	Oxford	--	63	74	21	49	21	9	10	116	35
303	112323	-----	Broad Leaf, Lot 2	-----	CW	S	P	Lexington	--	53	66	28	52	19	2	0	176	141
304	112324	-----	Lenguillo	-----	CW	S	P	Lexington	--	105	99	28	59	26	3	--	184	160
305	112325	-----	Mixed: Chino, Negro, Virginia, Lenguillo.	-----	CF	S	P	Oxford	--	42	90	20	32	12	4	11	58	20
306	112326	-----	Mixed	-----	CW	S	P	Lexington	--	40	84	37	47	12	7	15	85	75
307	112326	-----	Lenguillo	-----	P	S	P	Oxford	--	54	92	33	48	15	4	9	101	45
308	112328	-----	Cuerna de Cabra	-----	P	S	P	Lexington	--	40	98	27	59	13	7	15	103	77
309	112330	-----	Hoja Ancha	-----	CW	S	P	Lexington	--	57	88	19	51	16	1	6	68	23
310	112331	-----	Cuerna de Borrego	-----	FC	S	P	Oxford	--	44	80	36	60	13	4	15	103	86
311	112307	Colombia	Garcia	-----	CW	S	P	Lexington	--	54	85	25	54	15	4	8	107	36
312	112308	-----	Mixed	-----	CW	S	P	Oxford	--	54	92	32	53	13	5	13	95	70
313	112309	-----	Chococ	-----	CW	S	P	Lexington	--	50	70	33	52	14	3	6	82	26
317	112316	-----	-----	-----	CW	S	P	Oxford	--	42	93	25	53	14	5	16	93	61
318	112385	-----	Palmita	-----	PY	S	P	Lexington	--	54	70	18	56	18	6	9	97	45
319	112386	-----	Chococ	-----	P	S	P	Oxford	--	57	77	32	48	16	4	13	141	93
321	112313	Colombia	Garcia	-----	CW	S	P	Lexington	--	77	87	33	56	20	9	15	166	71
322	112314	-----	American	-----	CW	S	P	Oxford	--	54	78	36	50	17	2	8	130	73
323	112315	-----	Cubano	-----	CW	S	P	Lexington	--	59	76	36	54	20	5	10	135	77
324	112591	Mexico	Lenguillo	-----	P	S	P	Oxford	--	65	73	31	50	18	5	10	140	77

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: E=burley, CF=cigar filler, CH=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T-Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Flower Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre- topped	Post- topped	
326	112593	Mexico	Negro	CF	S	W	Oxford	42	74	33	48	13	2	14	89
327	112594	do	Macuchi	P	S	P	Oxford	50	70	37	60	16	5	5	104
328	112595	do	do	P	S	P	Oxford	43	103	20	57	13	1	13	70
330	405518	Colombia	Palмира	CW	S	P	Oxford	50	74	18	54	15	4	8	65
331	112619	Mexico	Mixed	B	S	P	Oxford	40	100	22	52	14	5	17	73
332	112620	do	Cultivated Tobacco	CF	--	P	Oxford	44	92	25	62	11	6	9	56
333	112621	do	Jamaica	FC	S	P	Oxford	89	65	31	51	22	0	6	205
335	112623	do	Syrian Turkish	P	S	P	Oxford	100	72	28	65	37	5	--	125
337	112625	do	Lagunero	P	S	P	Oxford	52	95	23	50	15	3	12	143
338	112626	do	Cordoba Type	P	S	P	Oxford	52	88	31	71	15	3	9	116
340	112628	do	Cultivated Tobacco	P	S	P	Oxford	42	86	31	64	14	1	11	52
341	112629	do	do	P	S	P	Oxford	54	73	16	56	13	1	8	66
343	112631	do	do	P	S	P	Oxford	49	82	24	51	16	3	12	93
344	112632	do	do	P	S	P	Oxford	59	78	24	64	24	5	13	73
346	112634	do	do	P	S	P	Oxford	38	94	19	37	16	7	17	55
348	112641	do	Volunteer Tobacco	CW	S	R	Oxford	50	80	21	42	19	12	10	37
349	112642	do	do	CW	S	R	Oxford	43	109	22	55	15	2	23	77
350	112643	do	Volunteer Tobacco	CW	S	R	Oxford	56	115	15	61	18	6	12	45
351	112644	do	Nicotiana Species, No. 1.	P	S	P	Oxford	45	98	29	57	13	2	21	57
353	112648	do	do	P	S	P	Oxford	54	101	22	48	11	2	15	36
355	112656	do	Volunteer Tobacco	CW	S	P	Oxford	50	76	21	50	16	9	12	52
356	112657	Mexico	Papantle	CW	S	W	Oxford	35	119	29	39	13	2	12	42
357	112659	do	Putleco	CF	S	R	Oxford	41	87	28	40	14	1	10	52
358	112660	do	do	P	S	P	Oxford	43	124	24	46	14	4	17	36
359	112661	do	do	P	S	P	Oxford	57	92	21	47	16	3	12	52
360	112662	do	do	P	S	P	Oxford	43	98	20	47	15	8	13	43
361	112663	do	do	CF	S	W	Oxford	56	82	21	50	19	17	11	59
362	112664	do	do	CW	S	R	Oxford	49	73	37	52	17	1	14	58
363	112665	do	do	CW	S	R	Oxford	65	67	36	52	17	4	13	59
364	112666	do	do	CW	S	R	Oxford	54	89	33	46	16	9	12	83
365	112667	do	do	CW	S	R	Oxford	63	85	30	49	20	10	--	93
366	112668	do	do	CW	S	R	Oxford	57	87	31	45	17	14	11	66
367	112669	do	do	CW	S	R	Oxford	72	89	29	48	20	20	13	89
368	112670	do	do	CW	S	R	Oxford	57	81	31	46	17	9	9	88
369	112671	do	do	P	S	P	Oxford	78	87	25	43	19	10	11	84
370	112672	do	do	P	S	P	Oxford	40	104	27	41	13	7	13	73
371	112673	do	do	P	S	P	Oxford	46	119	25	42	14	14	9	77
372	112674	do	do	P	S	P	Oxford	36	110	27	42	13	8	8	47
373	112675	do	do	CW	S	P	Oxford	46	89	24	44	12	14	6	59
374	112676	do	do	CW	S	P	Oxford	47	78	25	41	15	4	13	33
375	112677	do	do	CW	S	W	Oxford	54	114	27	48	18	10	12	64
376	112678	do	do	CF	S	R	Oxford	42	114	29	48	13	2	15	55
377	112679	do	do	CF	S	R	Oxford	52	78	31	57	15	5	10	73
378	112680	do	do	CF	S	R	Oxford	45	63	27	47	18	4	17	37
379	112681	do	do	CF	S	R	Oxford	58	80	17	44	20	2	14	75

368	112705	Uruguay --	Nacional	-----	PY	S	P	Oxford --	54	65	27	53	14	0	8	104	95
370	112680	Mexico ---	Tabaco Montes	-----	P	S	P	Oxford --	68	68	27	62	25	7	--	156	35
371	112681	----do-----		-----	P	S	P	Lexington	56	89	20	53	18	17	11	150	66
372	112682	----do-----		-----	P	S	P	Oxford --	45	108	24	47	12	7	14	101	57
373	112688	----do-----	Mixed: Habanero	-----	P	S	P	Lexington	53	92	23	53	15	15	9	137	46
375	112690	----do-----	Mixed: Includes	-----	P	S	P	Oxford --	35	112	24	41	13	6	10	103	59
378	405519	Germany --	Stamm 160, WF	-----	P	S	P	Lexington	42	94	29	49	14	6	13	95	--
379	405520	----do-----	Resistant.	-----	CF	S	P	Oxford --	37	115	18	46	14	8	11	95	45
380	405521	Romania --	Rejina, WF Resistant	-----	T	S	P	Lexington	39	68	15	37	9	9	8	65	19
381	405522	----do-----	Molovata, WF Resistant	-----	T	S	P	Oxford --	40	108	24	45	14	9	15	95	66
382	112389	Colombia -	-----do-----	-----	CW	S	P	Lexington	50	56	37	73	19	7	7	111	86
383	112390	----do-----	Cordoncillo	-----	CW	S	P	Oxford --	36	94	24	45	14	6	20	123	59
384	112391	----do-----	Zapatoca	-----	CW	S	P	Lexington	45	64	22	45	18	8	11	131	41
385	112392	----do-----	Tachuelo	-----	CW	S	P	Oxford --	38	109	25	38	11	7	16	98	41
388	112776	Mexico ---	-----do-----	-----	P	S	P	Lexington	103	68	30	57	31	8	--	217	148
389	112777	----do-----	Probably Arcial	-----	P	S	P	Oxford --	89	77	27	46	21	0	3	218	123
390	112778	----do-----	Bajero	-----	P	S	P	Lexington	50	94	21	49	17	11	11	120	31
391	112779	----do-----	Arcial	-----	FC	S	P	Lexington	50	111	22	49	15	9	10	117	35
392	112780	----do-----	La Candon	-----	P	S	R	Lexington	55	88	25	49	17	1	9	149	95
394	112782	----do-----	Arcial Chico	-----	FC	S	P	Lexington	61	71	19	56	14	4	8	105	28
395	112783	----do-----	-----do-----	-----	T	S	P	Lexington	45	87	27	50	15	3	17	98	84
396	112784	----do-----	Habanero	-----	T	P	P	Lexington	53	64	26	62	17	9	13	118	60
397	112785	----do-----	Colorado Fuerte	-----	P	S	P	Lexington	49	108	24	47	14	1	10	97	86
398	112786	----do-----	Huimangillo	-----	P	S	P	Lexington	50	106	25	51	15	6	9	118	31
								Oxford --	35	107	33	48	13	6	11	98	59
								Lexington	40	101	25	41	12	3	10	65	25
								Oxford --	42	108	24	50	14	4	14	85	57
								Lexington	46	74	21	50	15	13	10	118	49
								Oxford --	38	101	27	46	12	3	17	80	52
								Lexington	47	69	25	55	13	13	7	107	36

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CH=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant			
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre- topped		Post- topped	Height (cm)	Yield (g)
399	112787	Mexico	Chaquilmoi or Tabaco Blanco.	P	S	P	Oxford	--	42	91	24	50	10	2	16	78	75
400	112788	---	La Candon	P	S	P	Oxford	--	46	85	24	52	12	9	9	92	41
401	112789	---	Chenelmoi, Chelopo, or Tabaco Negro.	P	S	P	Oxford	--	40	85	24	51	14	5	17	96	75
402	112790	---	Probably Corjalero	P	S	R	Oxford	--	47	89	18	41	14	11	10	107	34
403	112791	---	Hoja Blanco	P	S	P	Oxford	--	38	112	27	46	10	5	12	116	57
404	112792	---	Hoja Blanco and Hoja Tupida.	P	S	W	Oxford	--	44	74	24	40	14	9	9	95	47
405	112793	---	Probably Simajovel	P	S	P	Oxford	--	40	95	23	45	13	4	18	95	59
406	112794	---	Mixed	P	S	P	Oxford	--	50	93	12	37	15	12	7	95	19
407	405523	Colombia	---	P	--	P	Oxford	--	40	114	24	50	14	6	19	93	59
409	112804	---	Cubano	CW	S	P	Oxford	--	54	101	16	41	16	8	9	105	25
410	112805	---	Zapatoca	CW	--	P	Oxford	--	40	99	25	57	11	3	18	85	57
411	112806	---	---	CW	--	P	Oxford	--	54	73	18	52	16	4	5	59	31
412	112807	---	Giron	CW	S	P	Oxford	--	43	109	22	47	14	8	15	90	52
413	112808	---	Zapatoca	CW	S	P	Oxford	--	51	76	12	33	16	11	8	88	19
415	112810	---	Cordoncillo	FC	S	P	Oxford	--	36	103	23	47	13	4	21	95	52
419	112821	Mexico	Mixed, May Include Copan.	P	S	P	Oxford	--	54	102	17	42	15	14	8	110	33
420	112822	---	Probably Copan & Hoja de Lanza.	P	S	P	Oxford	--	100+	88	31	64	28	2	--	229	98
421	112823	Guatemala	Probably Copan	P	S	P	Oxford	--	89	74	27	43	21	5	7	263	93
422	112824	---	---	P	S	P	Oxford	--	106+	67	26	55	36	--	--	225	--
423	112825	---	Probably Punta de Lanza.	P	S	P	Oxford	--	89	66	29	46	19	5	8	218	109
424	112826	---	Virginia	P	S	P	Oxford	--	106+	63	25	49	39	--	--	253	104
425	112827	Guatemala	Cubano	P	S	P	Oxford	--	49	64	28	58	13	0	6	100	102
426	112828	---	Cultivated Tobacco	P	S	P	Oxford	--	59	66	27	68	17	3	10	125	80

427	112829	---do-----	Tabaco Cimarron ----	P	S	P	Oxford -- Lexington	36	95	23	46	12	9	14	85	43
428	112830	Mexico ---	Mixed: Hoja Ancha, Cuerna de Cabra, Others.	CW	S	W	Oxford -- Lexington	46 40 56	97 88 62	20 33 27	47 48 42	12 11 12	9 7 4	10 16 6	89 103 82	24 80 13
429	112831	---do-----	Cultivated Tobacco ---	CW	S	W	Oxford -- Lexington	40 50 89	81 60 81	31 33 32	47 53 48	12 12 23	6 3 3	14 7 5	87 70 230	84 24 134
431	113441	Colombia -	Probably Tachuelo ----	CW	S	P	Oxford -- Lexington	105 73	73	30	59	31	7	--	210	55
432	113442	---do-----	Tachuelo ----	P	S	P	Oxford -- Lexington	35 44	119 82	25 23	45 44	13 12	5 9	8 8	94 81	59 36
433	113443	---do-----	Tachuelo or Caucaño --	P	S	P	Oxford -- Lexington	35 44	121 68	28 24	45 44	12 13	3 6	13 12	99 88	64 40
436	113446	---do-----	Zapatoca ----	CF	S	P	Oxford -- Lexington	77 100+	77 82	29 26	43 57	17 24	0 6	3 --	190 198	75 84
437	113447	---do-----	Boliviano ----	CF	--	P	Oxford -- Lexington	89 96+	55 88	31 36	48 59	20 34	0 3	0 --	255 259	104 115
438	113448	---do-----	Cordoncillo ----	CF	S	P	Oxford -- Lexington	89 95	52 65	33 28	51 52	19 35	5 0	0 --	251 216	95 117
439	113495	---do-----	Zapatoca ----	CF	S	P	Oxford -- Lexington	97 100+	45 67	32 33	48 56	29 32	2 0	2 --	215 198	143 138
444	113500	---do-----	Punta de Lanza ----	B	S	P	Oxford -- Lexington	54 54	83 --	27 33	50 64	12 17	2 2	12 10	88 99	98 79
445	113501	---do-----	Mixed: Repello, Brazo Negro.	CW	S	P	Oxford -- Lexington	89 85	51 82	38 37	52 56	20 25	10 11	7 6	225 199	125 159
446	113502	Mexico ---	Cultivated Tobacco ---	CF	S	P	Oxford -- Lexington	42 60	87 82	32 26	61 57	16 24	2 6	17 --	98 198	84 36
447	405524	---do-----	-----	P	--	P	Oxford -- Lexington	36 51	116 71	18 14	41 32	13 16	7 12	9 6	88 96	32 32
448	113559	Colombia -	Mixed: Costillo Negro Y Blanco, Pina.	CF	S	P	Oxford -- Lexington	65 73	75 89	27 32	55 60	21 23	1 3	11 14	168 169	120 45
448	113559	---do-----	Selection from T1448 - A	CF	S	P	Oxford -- Lexington	65 75	63 92	28 25	53 56	17 23	0 3	10 12	155 167	104 97
449	113560	---do-----	Mixed: Costillo Negro Y Blanco, Pina.	CF	S	P	Oxford -- Lexington	89 100+	75 64	25 24	51 58	20 32	1 8	3 --	220 173	104 128
450	113661	---do-----	---do-----	CF	S	P	Oxford -- Lexington	65 90	79 78	29 24	53 51	20 23	1 3	12 --	180 197	102 51
451	113562	---do-----	Ambalema ----	CF	S	P	Oxford -- Lexington	40 50	71 62	33 31	52 54	16 18	3 4	11 7	90 113	95 --
453	113579	Guatemala	Volunteer Tobacco ----	P	S	P	Oxford -- Lexington	47 54	105 73	24 22	45 43	15 19	1 7	21 14	118 131	50 57
454	113580	---do-----	Criollo ----	CW	S	P	Oxford -- Lexington	49 62	77 73	24 25	43 43	16 23	9 22	18 12	121 133	82 32
455	113581	---do-----	---do-----	P	S	P	Oxford -- Lexington	36 37	99 94	29 27	41 41	11 10	3 10	17 8	100 68	52 31
456	113582	---do-----	Tabaco Bobo ----	CW	S	W	Oxford -- Lexington	49 61	82 72	24 26	43 44	18 23	9 20	15 12	116 162	91 21

KEY--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, HT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Flower Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped		
459	113585	Guatemala	Cultivated Tobacco	---	CW	S	R	Oxford --	82	25	45	17	10	123	70
460	113586	---do---	Olopo	---	P	--	P	Oxford --	59	24	46	18	17	158	51
461	113587	---do---	Punta de Lanza	---	P	S	R	Oxford --	109	12	42	18	16	81	35
462	113588	---do---	Cubano	---	P	S	P	Oxford --	77	18	38	13	12	97	39
463	113589	---do---	Mixed	---	P	S	P	Oxford --	104	22	47	13	6	96	57
464	113590	---do---	Punta de Lanza	---	CF	S	P	Oxford --	91	18	38	16	13	124	23
465	113624	Colombia -	Castillo Negro	---	CF	S	P	Oxford --	106	22	46	12	8	98	59
467	113626	---do---	Castillo Habana	---	FC	S	P	Oxford --	98	19	46	17	17	140	44
468	113627	---do---	Pina	---	CF	S	P	Oxford --	84	28	47	16	8	111	59
469	113628	---do---	---	---	CW	S	P	Oxford --	92	21	39	18	13	107	18
470	113629	---do---	Color	---	CF	S	P	Oxford --	97	29	55	19	3	160	93
471	113630	---do---	Castillo Habana	---	CF	S	P	Oxford --	83	29	59	21	6	198	105
472	113631	---do---	Palмира	---	P	S	P	Oxford --	84	31	59	14	3	108	150
473	113632	---do---	Habana and Palmira	---	CF	S	P	Oxford --	70	25	61	15	7	84	56
474	113633	---do---	Castillo Negro	---	CF	S	P	Oxford --	62	31	52	20	1	148	93
475	113634	---do---	---	---	CW	S	P	Oxford --	81	21	49	23	7	168	65
476	113635	---do---	Mixed: Habana, Palmira.	---	FC	S	P	Oxford --	95	36	56	12	3	131	84
477	113636	---do---	---	---	CF	S	P	Oxford --	73	29	60	22	6	188	60
478	113637	---do---	Castillo Negro	---	CF	S	P	Oxford --	61	29	52	18	3	142	102
479	113638	---do---	Palмира	---	P	S	P	Oxford --	76	24	52	27	10	171	88
480	113639	---do---	Castillo Habana	---	CF	S	P	Oxford --	75	27	52	17	3	148	84
481	113640	---do---	Palмира	---	P	S	P	Oxford --	86	23	57	25	14	187	83
482	113641	---do---	Habana and Palmira	---	CF	S	P	Oxford --	108	23	47	15	9	128	52
483	113642	---do---	Castillo Negro	---	CF	S	P	Oxford --	88	27	52	22	15	162	73
484	113643	---do---	---	---	CF	S	P	Oxford --	63	27	57	19	4	200	86
485	113644	---do---	Castillo Negro	---	CF	S	P	Oxford --	79	26	66	26	5	190	--
486	113645	---do---	---	---	CF	S	P	Oxford --	91	31	53	19	1	168	100
487	113646	---do---	Mixed: Habana, Palmira.	---	FC	S	P	Oxford --	98	31	59	25	4	160	56
488	113647	---do---	---	---	CF	S	P	Oxford --	81	22	58	24	0	146	102
489	113648	---do---	---	---	FC	S	P	Oxford --	118	22	58	24	4	134	--
490	113649	---do---	---	---	CF	S	P	Oxford --	98	25	47	16	2	98	86
491	113650	---do---	---	---	CF	S	P	Oxford --	76	23	64	18	6	119	61
492	113651	---do---	---	---	CF	S	P	Oxford --	96	31	59	16	7	122	91
493	113652	---do---	---	---	CF	S	P	Oxford --	99	21	59	18	6	138	56
494	113653	---do---	---	---	CF	S	P	Oxford --	62	31	48	19	7	134	91
495	113654	---do---	---	---	CF	S	P	Oxford --	79	24	64	17	9	87	69
496	113655	---do---	---	---	T	P	P	Oxford --	105	27	41	15	9	102	41
497	113656	---do---	---	---	FC	S	P	Oxford --	55	22	36	18	9	83	21
498	113657	---do---	---	---	CF	S	P	Oxford --	77	36	55	13	1	89	118
499	113658	Mexico	---	---	CF	S	P	Oxford --	53	30	59	16	1	100	83
500	113659	---	---	---	CF	S	P	Oxford --	87	29	55	16	1	117	75
501	113660	---	---	---	P	S	P	Oxford --	97	24	58	17	1	119	48
502	113661	---	---	---	P	S	P	Oxford --	88	25	42	13	2	120	50
503	113662	---	---	---	P	S	P	Oxford --	53	24	43	16	8	137	57

484	113713	---do----	Java	-----	T	P	R	Oxford --	35	104	34	45	14	2	17	99	61
485	113714	---do----	Copan (Java)	-----	P	S	P	Lexington	40	70	31	47	12	8	9	87	59
486	113715	---do----	Habana (Java)	-----	T	S	R	Lexington	40	120	28	45	13	3	15	88	61
487	113716	---do----	Salvador	-----	P	S	R	Lexington	36	110	27	44	13	8	10	93	46
488	113717	---do----	Santa Rosa de Copan	---	CW	S	P	Lexington	40	81	26	48	13	8	10	89	38
489	113718	---do----	Deli (Sumatra)	-----	P	S	P	Lexington	37	120	22	43	11	11	10	108	48
490	113719	---do----	Volunteer Plant	-----	FC	S	R	Lexington	46	52	16	40	11	6	10	115	33
491	113720	---do----	Cultivated Tobacco	---	P	S	R	Lexington	66	83	25	50	19	6	4	138	68
492	113721	---do----	Pina	-----	P	S	R	Lexington	90	89	24	56	20	8	0	171	86
493	113722	---do----	Mixed: Cubano, Pina, Others.	-----	P	S	R	Lexington	37	78	22	43	12	6	15	84	45
494	113975	Guatemala	La Estancia	-----	P	S	R	Lexington	46	52	16	40	11	6	10	79	24
495	113976	---do----	Chiche	-----	CW	S	P	Lexington	55	102	22	45	14	13	14	98	64
496	113977	---do----	Chichicastenanga	-----	CW	S	P	Lexington	38	102	23	42	12	6	18	107	48
497	113978	---do----	Sencua	-----	P	S	R	Lexington	44	102	23	42	12	6	18	107	48
498	113979	---do----	Cunen	-----	CW	S	P	Lexington	52	90	25	52	17	14	13	134	61
499	113980	---do----	Zacualpa	-----	P	S	P	Lexington	33	124	19	42	12	5	10	59	36
500	113984	---do----	Dumbara	-----	CF	P	P	Lexington	47	113	23	48	16	15	11	111	51
501	113985	---do----	Jaffna	-----	FC	S	P	Lexington	40	111	23	47	14	5	21	95	55
502	113991	Costa Rica	Volunteer Plant	-----	NT	S	P	Lexington	48	87	23	47	17	7	14	104	44
503	113992	---do----	-----do-----	---	P	--	P	Lexington	44	108	23	47	14	7	20	102	41
504	113993	---do----	Probably Criollo	-----	NT	S	R	Lexington	55	91	19	48	20	12	12	128	42
505	113994	---do----	Volunteer Plant	-----	NT	S	R	Lexington	55	97	26	53	18	19	16	108	59
506	113995	---do----	-----do-----	---	NT	S	R	Lexington	58	97	26	53	18	19	16	108	59
508	113997	---do----	Mixed: Colorado, Blanco.	---	NT	S	P	Lexington	58	92	26	43	18	18	8	177	56

KEY--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T=turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)		
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre- topped			Post- topped	
509	113998	Costa Rica	Chiricano	NT	S	P	Oxford	--	41	82	24	38	15	5	10	113	39
510	113999	---do---	Cultivated Tobacco	NT	S	P	Lexington	--	48	52	23	47	16	17	4	126	67
511	114000	---do---	-----do-----	NT	S	P	Lexington	--	55	104	31	48	14	3	18	129	86
512	114001	---do---	Chiricano	NT	S	P	Lexington	--	47	94	34	48	17	2	11	114	98
514	114003	---do---	Cultivated Tobacco	NT	S	P	Lexington	--	43	124	24	46	15	10	18	122	62
515	114004	---do---	Chaco Chivo	NT	S	W	Lexington	--	48	111	26	43	12	4	5	108	26
516	114005	---do---	Cultivated Tobacco	NT	S	P	Lexington	--	50	95	30	49	17	4	7	123	39
522	114011	---do---	Criollo	NT	S	P	Lexington	--	77	81	29	48	17	2	10	153	100
523	114012	---do---	Kentucky Negro	NT	S	P	Lexington	--	47	92	23	43	13	2	13	126	61
524	114013	---do---	Largo	NT	S	P	Lexington	--	51	90	24	51	14	5	20	113	59
525	114014	---do---	Criollo	NT	S	P	Lexington	--	53	84	27	66	17	15	10	120	71
526	114015	---do---	Palмира	NT	S	P	Lexington	--	57	101	27	52	20	11	10	139	42
527	114016	---do---	Kentucky	NT	S	P	Lexington	--	105+	63	25	55	31	0	--	184	93
528	114017	---do---	Cultivated Tobacco	CW	S	P	Lexington	--	57	79	29	46	19	3	9	144	86
530	114019	---do---	Tabaco Blanco	CW	S	P	Lexington	--	48	86	34	56	20	6	15	192	84
532	114021	---do---	Itztepeque	P	S	R	Lexington	--	69	92	31	54	22	9	--	203	106
533	114022	---do---	-----do-----	P	S	R	Lexington	--	42	113	25	47	12	7	17	88	52
534	114023	---do---	Criollo	CF	S	P	Lexington	--	42	104	27	51	14	13	11	112	50
535	114024	---do---	Copan	CF	S	P	Lexington	--	89	96	19	53	11	9	8	74	28
536	114025	---do---	-----do-----	P	S	R	Lexington	--	105+	56	32	55	19	0	0	228	82
537	114026	---do---	Mixed	CF	S	P	Lexington	--	65	83	31	61	35	0	--	253	58
538	114027	Costa Rica	Itztepeque Hybrid	T	S	R	Lexington	--	46	90	25	42	15	9	9	153	80
539	114039	Honduras	Cultivated Tobacco	P	S	P	Lexington	--	53	94	22	46	13	7	14	96	45
							Lexington		53	76	23	52	20	10	15	137	73

540	114067	Colombia	-----	Ambalema	-----	T	--	P	Oxford	--	47	111	24	43	14	3	17	133	55
541	114068	-----do-----	-----	-----	-----	T	S	R	Oxford	--	55	79	21	47	21	9	15	142	45
542	114069	-----do-----	-----	Pina	-----	CF	S	P	Oxford	--	72	86	27	40	14	2	11	107	35
544	114071	Ecuador	--	Harrison Chaco	-----	PY	S	P	Oxford	--	54	80	27	46	17	2	15	131	89
546	114073	-----do-----	-----	Tabaco Comun	-----	CF	S	P	Oxford	--	74	61	25	48	27	10	10	152	104
548	114083	Costa Rica	-----	Volunteer Plant	-----	P	S	P	Oxford	--	51	95	24	56	15	3	7	117	70
549	114084	-----do-----	-----	Itztepeque	-----	P	S	R	Oxford	--	53	70	21	64	21	1	8	130	76
550	114085	-----do-----	-----	Mixed: Itztepeque, Others.	-----	CF	S	P	Oxford	--	57	65	32	50	19	6	8	158	102
551	114086	-----do-----	-----	Itztepeque	-----	P	S	P	Oxford	--	67	63	19	37	23	6	--	122	31
553	114088	-----do-----	-----	-----	-----	P	S	P	Oxford	--	40	107	24	41	13	4	13	95	61
554	114122	-----do-----	-----	Volunteer Tobacco	-----	P	S	R	Oxford	--	46	90	17	34	12	7	8	63	20
556	114124	-----do-----	-----	Mixed: Cien Hojas, Virginia.	-----	CF	--	W	Oxford	--	37	101	23	41	11	4	13	75	36
557	114125	-----do-----	-----	Cultivated Tobacco	-----	P	S	P	Oxford	--	46	86	12	26	15	7	9	56	16
559	114127	-----do-----	-----	Goludo	-----	P	S	P	Oxford	--	36	116	22	39	13	5	13	96	43
560	114128	-----do-----	-----	Cacho de Chivo	-----	CF	S	P	Oxford	--	46	65	13	34	13	8	11	77	15
561	114129	Honduras	--	Trinidad de Copan	-----	P	S	P	Oxford	--	42	116	23	48	14	13	10	120	64
562	114130	-----do-----	-----	Dolores de Copan	-----	P	S	P	Oxford	--	47	87	13	31	12	6	10	67	12
564	114132	-----do-----	-----	Florida de Copan	-----	P	S	P	Oxford	--	42	63	24	42	18	2	16	111	48
565	114133	-----do-----	-----	Concepcion de Copan	-----	P	S	P	Oxford	--	54	54	19	40	20	1	7	139	38
566	114134	-----do-----	-----	Sumatra Delhi Prima	-----	CF	S	P	Oxford	--	52	88	32	45	15	4	21	123	107
567	114135	-----do-----	-----	Sumatra Delhi Segunda	-----	T	S	P	Oxford	--	61	106	26	40	16	7	8	98	24
568	114136	-----do-----	-----	Sumatra Java Prima	-----	T	S	R	Oxford	--	38	89	13	32	8	7	6	47	8
569	114350	Ecuador	--	Esmeraldas	-----	FC	S	P	Oxford	--	47	115	31	51	13	11	10	93	123
570	114351	-----do-----	-----	-----	-----	FC	S	P	Oxford	--	67	99	28	54	19	2	10	128	44

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T=turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attachment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped		
572	114353	Ecuador	Esmeraldas Negro	P	S	R	Oxford	--	92	20	48	13	7	15	57
573	114354	---do---	---	FC	S	R	Lexington	--	84	24	56	17	13	7	13
574	114355	---do---	---	P	S	P	Lexington	44	94	26	57	14	7	9	64
575	114356	---do---	---	CF	S	P	Oxford	--	106	25	51	11	5	14	39
576	114357	---do---	---	P	S	P	Lexington	51	79	21	53	16	12	10	77
577	114358	---do---	---	P	S	P	Oxford	--	99	29	51	16	1	9	47
578	114359	---do---	---	CF	S	P	Lexington	55	94	24	59	18	7	10	75
579	114360	---do---	---	CW	S	P	Oxford	46	98	23	51	14	6	18	67
580	114361	---do---	---	CF	S	P	Lexington	47	70	19	54	17	14	11	55
581	114362	---do---	---	NT	S	P	Oxford	51	68	19	49	15	8	9	43
582	114363	---do---	---	CF	S	P	Lexington	58	73	31	56	16	4	15	114
583	114364	---do---	---	CF	S	P	Oxford	61	79	27	46	17	2	13	100
584	114365	---do---	---	CF	S	P	Lexington	54	58	19	41	33	9	9	78
585	114366	---do---	---	FC	S	P	Oxford	63	104	32	56	16	4	15	109
586	114367	---do---	---	CF	S	P	Lexington	45	82	29	51	14	4	15	99
587	114368	---do---	---	CF	S	P	Oxford	54	70	22	68	17	4	8	86
588	114369	---do---	---	CF	S	P	Lexington	45	85	27	55	15	7	21	64
589	114370	---do---	---	CF	S	P	Oxford	54	78	25	58	16	10	12	59
590	114371	---do---	---	CF	S	P	Lexington	47	97	29	56	17	7	13	55
591	114372	---do---	---	CF	S	P	Oxford	53	86	28	66	17	13	8	86
592	114373	---do---	---	CF	S	P	Lexington	49	84	28	56	16	1	12	43
593	114374	---do---	---	CF	S	P	Oxford	51	70	29	69	19	2	8	136
594	114375	---do---	---	CF	S	P	Lexington	47	85	32	53	17	3	12	100
595	114376	---do---	---	CF	S	P	Oxford	54	105	25	57	16	15	5	80
596	114377	---do---	---	CF	S	P	Lexington	57	77	33	53	18	2	6	77
597	114378	---do---	---	CF	S	P	Oxford	62	109	27	58	20	13	8	72
598	114379	---do---	---	CF	S	P	Lexington	33	135	24	42	14	9	17	78
599	114380	---do---	---	CF	S	P	Oxford	48	69	18	40	15	5	12	61
600	114381	---do---	---	CF	S	P	Lexington	33	114	20	39	13	9	8	24
601	114382	---do---	---	CF	S	P	Oxford	49	104	20	44	15	6	10	45
602	114383	---do---	---	CF	S	P	Lexington	40	111	24	43	11	3	16	25
603	114384	---do---	---	CF	S	P	Oxford	46	73	27	60	15	12	11	59
604	114385	---do---	---	CF	S	P	Lexington	36	98	29	41	10	6	9	74
605	114386	---do---	---	CF	S	P	Oxford	42	63	27	36	11	11	5	73
606	114387	---do---	---	CF	S	P	Lexington	36	123	20	41	12	5	10	33
607	114388	---do---	---	CF	S	P	Oxford	47	83	14	37	15	13	5	36
608	114389	---do---	---	CF	S	P	Lexington	37	100	17	39	11	6	9	20
609	114390	---do---	---	CF	S	P	Oxford	42	89	9	26	14	2	8	11
610	114391	---do---	---	CF	S	P	Lexington	40	106	28	53	14	9	16	68
611	114392	---do---	---	CF	S	P	Oxford	53	107	23	59	16	17	10	27
612	114393	---do---	---	CF	S	P	Lexington	44	111	24	43	14	7	17	52
613	114394	---do---	---	CF	S	P	Oxford	52	80	17	52	12	10	10	20

601	405527	Bolivia --	-----	FC	S	P	Oxford --	36	88	33	51	17	2	13	140	118
603	405528	Chile ----	-----	CW	S	W	Oxford --	67	87	35	58	20	10	13	149	84
604	505529	Peru -----	Volunteer Plant	CF	S	P	Lexington	54	94	26	46	15	7	8	101	38
605	114351	Ecuador --	-----	CF	S	P	Oxford --	47	90	25	52	16	6	21	119	66
606	114352	-----do-----	-----	CF	S	P	Lexington	60	69	21	50	18	8	12	113	--
607	405530	-----do-----	Esmeraldas Negro	CW	S	P	Oxford --	45	92	27	56	15	9	16	113	66
612	114321	El Salvador.	-----	CF	S	R	Lexington	55	80	22	59	19	15	10	131	48
613	114322	-----do-----	-----	CF	S	P	Oxford --	43	88	29	60	14	4	19	107	66
615	114315	Nicaragua	-----	CW	S	P	Lexington	54	73	21	61	18	8	9	107	41
617	114391	Ecuador --	-----	P	S	W	Oxford --	54	98	32	59	17	8	15	128	84
621	114395	-----do-----	-----	P	S	W	Lexington	62	85	26	65	21	11	14	144	56
626	114400	Mexico ---	Mixed: Tabasqueno	FC	S	W	Oxford --	40	111	19	39	11	4	15	85	39
627	114401	-----do-----	Prieto, Others.	FC	S	W	Lexington	45	119	21	43	13	13	12	109	30
629	114403	-----do-----	Tabasqueno Prieto	CF	S	P	Oxford --	39	107	19	38	12	12	11	98	52
630	114404	-----do-----	-----	P	S	R	Lexington	52	115	21	42	17	5	8	120	35
633	114549	-----do-----	-----	P	S	P	Oxford --	38	93	29	50	15	11	15	114	68
635	114551	-----do-----	-----	P	S	P	Lexington	53	115	24	53	17	9	12	145	16
641	114557	-----do-----	-----	CF	S	P	Oxford --	47	100	15	51	17	15	13	113	50
642	114558	-----do-----	-----	P	S	P	Lexington	52	115	27	52	17	3	10	128	44
645	114561	-----do-----	-----	P	S	P	Oxford --	44	102	25	56	18	12	10	157	33
646	114562	-----do-----	-----	P	S	P	Lexington	54	97	20	42	14	12	15	100	52
647	114563	-----do-----	-----	FC	S	P	Oxford --	42	110	23	46	15	8	12	104	24
648	114564	-----do-----	-----	P	S	P	Lexington	48	75	16	40	17	3	12	123	45
650	114566	-----do-----	-----	FC	S	P	Oxford --	42	86	20	46	19	13	9	134	46
							Lexington	46	107	22	47	13	6	15	101	61
							Oxford --	35	107	22	47	13	6	15	101	61
							Lexington	48	85	23	59	19	7	12	93	53
							Oxford --	40	85	24	51	16	10	13	95	66
							Lexington	53	78	17	47	16	9	9	99	33
							Oxford --	40	113	28	43	10	3	16	89	64
							Lexington	46	100	28	47	13	6	9	121	36
							Oxford --	54	70	23	50	16	6	7	126	68
							Lexington	48	107	23	53	15	4	11	120	36
							Oxford --	45	103	24	45	13	8	11	106	61
							Lexington	52	88	20	45	16	11	9	118	38
							Oxford --	42	108	15	43	15	8	16	90	70
							Lexington	53	87	33	55	18	9	10	138	56
							Oxford --	47	75	29	53	13	0	10	96	91
							Lexington	67	43	26	61	17	0	9	105	79
							Oxford --	42	89	32	53	12	1	12	85	77
							Lexington	47	76	30	65	13	5	7	69	51
							Oxford --	57	72	31	47	15	1	9	126	102
							Lexington	73	68	22	49	24	3	6	121	79
							Oxford --	43	68	28	55	15	3	12	95	82
							Lexington	43	88	8	19	13	5	9	50	7

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CH=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)		
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped			Post-topped	
657	114573	Mexico	Mixed	CW	S	R	Oxford	--	47	75	31	48	16	7	17	117	82
658	114574	-----do-----	Mostrenco	P	S	P	Oxford	--	60	63	27	49	18	10	11	144	70
659	114575	-----do-----	Turco	FC	S	P	Oxford	--	54	86	19	53	15	1	13	95	66
660	114576	-----do-----	Lengua de Vaca	FC	S	P	Oxford	--	40	102	27	52	16	7	16	90	68
661	114577	-----do-----	Mixed: Virginia, Chino Negro.	FC	S	P	Oxford	--	42	--	--	--	16	8	--	123	--
662	114578	-----do-----	Chino Negro	FC	S	P	Oxford	--	45	66	29	48	15	4	15	98	102
665	114581	-----do-----	Oja-de-Vastago	FC	S	P	Oxford	--	30	--	--	--	16	3	--	89	--
666	114582	-----do-----	Negro Combinado	FC	S	P	Oxford	--	49	87	31	55	15	2	14	113	86
668	114584	-----do-----	Maguey	FC	S	P	Oxford	--	61	96	24	58	17	1	15	112	50
672	114634	-----do-----	Granja	CF	S	P	Oxford	--	58	74	31	47	17	1	12	130	125
675	114688	Honduras	Mixed	P	S	P	Oxford	--	53	69	35	67	20	6	13	135	116
677	114829	South America.	-----do-----	P	S	P	Oxford	--	50	82	27	48	16	1	11	115	109
683	114835	-----do-----	-----do-----	P	S	P	Oxford	--	67	83	24	49	13	0	7	100	26
687	115098	Peru	Chanchamayo	P	S	W	Oxford	--	43	74	32	56	16	3	15	100	82
690	115101	Ecuador	Colimes	FC	S	R	Oxford	--	53	69	29	69	15	8	12	100	58
691	115102	-----do-----	Daule	P	S	P	Oxford	--	45	90	24	47	15	7	15	113	66
692	115103	-----do-----	Salitre	FC	S	P	Oxford	--	38	103	28	43	11	6	17	80	66
694	115105	Peru	-----do-----	CW	S	W	Oxford	--	38	91	16	28	7	5	6	27	11
698	116071	Costa Rica	Copan	P	S	P	Oxford	--	45	98	22	48	13	7	21	101	45
700	116073	-----do-----	Desgajador	CW	S	P	Oxford	--	54	105	19	45	11	10	9	82	20
703	116076	-----do-----	Palmiron	CW	S	W	Oxford	--	54	102	24	48	17	2	12	115	70
704	116078	Honduras	Chichicasten	FC	S	P	Oxford	--	53	78	27	58	17	4	10	127	58
705	116079	-----do-----	Copaneco	FC	S	P	Oxford	--	34	124	20	42	10	8	7	83	39
									47	105	21	48	13	7	9	102	33
									49	87	20	46	13	1	9	90	75
									59	67	29	62	15	3	8	79	42
									54	94	33	45	17	13	12	150	91
									59	99	36	56	22	18	11	202	70
									40	117	22	46	12	3	16	83	39
									46	82	19	43	15	6	10	81	37
									47	85	36	53	15	2	14	116	86
									57	78	32	58	17	4	7	128	51
									42	98	28	46	15	7	14	100	84
									61	72	22	37	12	5	6	59	19
									45	93	24	47	17	10	18	115	75
									55	93	23	48	23	16	14	159	71
									40	127	20	42	13	9	11	78	70
									55	108	21	46	19	12	12	137	57

706	116080	---do----	Gigante -----	FC	S	P	Oxford --	45	110	19	45	14	14	12	100	59
							Lexington	61	102	20	46	21	13	17	144	22
708	116082	---do----	Pina -----	P	S	P	Oxford --	38	100	23	47	12	12	12	78	45
710	116084	---do----	-----	FC	S	P	Lexington	54	87	23	44	18	6	13	133	61
							Oxford --	54	77	23	45	16	5	9	110	70
711	116085	---do----	-----	FC	S	P	Lexington	54	95	23	46	18	6	12	134	32
							Oxford --	43	92	25	48	15	15	14	113	64
712	116087	Mexico ---	-----	P	S	R	Lexington	51	95	22	42	16	17	10	139	40
							Oxford --	40	107	25	48	14	10	14	108	68
716	116144	People's Republic of China.	-----	FC	S	P	Lexington	47	101	19	44	14	2	10	108	39
							Oxford --	42	118	24	48	16	8	13	101	68
							Lexington	54	97	23	45	17	8	11	124	37
717	116145	---do----	Macrophylla -----	FC	S	P	Oxford --	40	76	29	50	15	2	12	90	93
							Lexington	50	62	31	65	16	4	8	106	59
718	116146	---do----	---do-----	P	S	P	Oxford --	35	106	31	47	11	6	18	73	59
719	116159	Peru -----	-----	CW	S	P	Lexington	65	76	23	38	8	7	7	43	19
							Oxford --	49	91	32	51	17	7	11	129	98
720	116160	---do----	-----	CF	S	P	Lexington	61	90	32	53	19	12	11	139	53
							Oxford --	35	89	29	50	14	3	13	89	66
721	116161	---do----	-----	P	S	P	Lexington	42	64	23	44	11	2	10	55	32
							Oxford --	40	90	28	48	14	7	17	114	73
722	116162	---do----	-----	T	S	W	Lexington	47	70	24	49	17	12	12	122	43
							Oxford --	45	132	27	41	16	1	13	100	73
722	116162	---do----	-----	FC	S	R	Lexington	47	138	32	48	16	5	11	114	44
							Oxford --	54	88	28	53	18	2	14	143	107
727	116167	---do----	-----	CF	S	P	Lexington	62	89	22	56	28	18	16	178	60
							Oxford --	42	107	27	47	16	9	19	98	52
728	116168	---do----	-----	CW	S	W	Lexington	51	113	24	46	19	10	12	135	--
							Oxford --	61	77	25	45	16	12	20	157	57
729	116169	---do----	-----	CF	S	P	Lexington	53	79	17	47	15	16	0	84	30
							Oxford --	35	86	32	50	14	3	16	99	59
730	116170	Ecuador --	-----	CW	S	P	Lexington	40	75	29	53	13	2	10	82	33
							Oxford --	49	95	29	46	14	7	14	118	80
731	116171	Peru -----	Mosaic Resistant -----	CF	S	P	Lexington	55	88	28	49	16	14	10	138	63
							Oxford --	47	95	27	45	16	8	15	106	66
732	116172	---do----	-----	CF	S	R	Lexington	86	--	--	--	22	12	--	128	25
							Oxford --	49	95	31	46	17	7	19	119	82
732	116172	---do----	-----	CF	S	W	Lexington	76	82	19	34	25	9	--	160	40
							Oxford --	49	90	31	43	17	7	16	125	75
734	116174	---do----	-----	CF	S	P	Lexington	76	87	24	48	21	18	7	155	56
							Oxford --	54	96	28	47	16	5	9	141	61
735	116175	---do----	Ccanato -----	P	S	P	Lexington	57	83	24	58	19	4	10	142	61
							Oxford --	45	100	27	46	13	7	14	93	57
743	116181	Mexico ---	-----	P	S	R	Lexington	54	91	20	47	17	15	9	97	37
							Oxford --	52	94	25	38	11	11	9	115	48
							Lexington	54	109	28	43	11	17	10	127	--

KEY--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)	
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped			Post-topped
745	116183	Mexico	-----	P	S	P	Oxford	--	96	23	46	10	2	18	68	73
746	405531	---do----	Punta de Lanza	P	S	P	Lexington	44	79	24	58	16	4	9	63	35
747	405532	---do----	-----do-----	P	S	P	Oxford	--	86	24	48	13	6	16	100	73
748	405533	---do----	-----do-----	P	S	P	Lexington	49	88	20	52	15	11	11	106	52
750	405534	---do----	Tabaco Colorado	P	S	P	Oxford	--	100	23	48	13	7	15	108	80
751	405535	---do----	-----do-----	P	S	P	Lexington	49	84	21	51	14	8	10	116	55
752	116568	Costa Rica	Chircagre	P	S	P	Oxford	--	97	27	47	13	7	14	103	68
758	117024	Peru	-----	P	S	P	Lexington	44	81	21	50	15	6	10	85	47
760	117026	---do----	-----do-----	P	S	P	Oxford	--	95	24	47	13	5	18	115	80
761	117027	---do----	-----do-----	P	S	P	Lexington	50	87	23	48	15	6	12	124	34
764	117030	---do----	Monte Libano	P	S	R	Oxford	--	111	23	42	12	7	9	111	66
765	117031	---do----	-----do-----	P	S	P	Lexington	46	88	21	40	15	8	8	105	--
767	117033	---do----	-----do-----	P	S	P	Oxford	--	85	28	43	16	5	19	112	84
769	117035	---do----	-----do-----	P	S	P	Lexington	58	93	33	51	19	12	10	176	69
770	117036	---do----	Amarillo	P	S	P	Oxford	--	91	32	51	14	5	11	112	73
771	117037	---do----	-----do-----	P	S	R	Lexington	47	83	28	56	18	3	12	144	84
772	117038	---do----	-----do-----	P	S	P	Oxford	--	127	20	42	12	6	13	84	41
776	117299	Venezuela	Del Rio, Pata Pelona	T	S	R	Lexington	39	81	16	34	15	7	10	106	24
779	117302	---do----	-----do-----	P	S	P	Oxford	--	119	23	45	14	9	18	101	55
780	117303	---do----	-----do-----	P	S	P	Lexington	53	97	21	45	17	8	12	129	33
782	117305	---do----	Enano	P	S	P	Oxford	--	85	20	37	17	10	22	125	66
783	117306	Venezuela	-----	P	S	P	Lexington	65	103	28	50	24	24	15	185	95
784	117307	---do----	Patlon	P	S	P	Oxford	--	97	24	53	13	6	14	103	77
				P	S	R	Lexington	49	79	18	42	15	10	8	100	31
				P	S	P	Oxford	--	87	28	47	15	4	26	135	80
				P	S	P	Lexington	61	90	29	55	20	12	12	167	--
				P	S	P	Oxford	--	67	25	51	13	5	14	102	75
				P	S	P	Lexington	56	78	25	62	15	3	11	100	51
				P	S	P	Oxford	--	108	29	56	14	8	16	95	59
				P	S	P	Lexington	49	92	22	59	15	14	13	130	30
				P	S	P	Oxford	--	101	25	47	12	2	22	120	52
				P	S	P	Lexington	51	98	19	46	16	5	12	103	24
				P	S	P	Oxford	--	84	32	56	17	4	9	115	114
				P	S	P	Lexington	61	110	31	71	21	3	12	135	62
				T	S	R	Oxford	--	106	29	43	12	1	16	103	57
				P	S	P	Lexington	40	67	29	45	12	7	9	87	46
				P	S	P	Oxford	--	80	33	48	19	3	11	100	98
				P	S	P	Lexington	73	58	30	59	20	24	14	114	109
				P	S	P	Oxford	--	115	22	46	11	2	18	93	52
				P	S	P	Lexington	49	69	18	46	16	6	8	105	43
				P	S	P	Oxford	--	102	23	46	14	4	14	103	45
				P	S	P	Lexington	51	74	21	51	17	8	10	116	47
				P	S	P	Oxford	--	96	23	53	15	1	16	117	57
				P	S	P	Lexington	55	102	19	60	21	9	13	156	74
				P	S	P	Oxford	--	74	20	48	15	1	11	95	64
				P	S	P	Lexington	40	102	20	48	15	4	9	105	46
				P	S	P	Lexington	51	74	17	51	18	4	9	105	46

785	117308	---do----	Mixed	-----	P	S	P	Oxford --	40	86	25	51	15	11	16	90	52
786	117309	---do----	-----	-----	P	S	P	Lexington	51	66	22	52	21	11	11	123	28
787	117310	---do----	-----	-----	FC	S	P	Oxford --	54	97	29	50	17	5	19	144	66
788	117311	---do----	-----	-----	FC	S	P	Lexington	59	99	29	65	20	6	9	161	81
788	117311	---do----	-----	-----	P	S	P	Oxford --	45	77	28	52	14	5	17	105	75
789	117312	---do----	-----	-----	P	S	P	Lexington	40	61	20	61	19	6	12	114	75
790	117313	---do----	-----	-----	P	S	P	Oxford --	40	101	22	47	14	7	15	86	68
792	117315	---do----	-----	-----	P	S	P	Lexington	51	80	17	49	16	11	10	124	40
793	117316	---do----	-----	-----	P	S	P	Oxford --	44	98	23	47	14	7	14	98	52
794	117317	Peru -----	-----	-----	P	S	R	Lexington	51	79	17	47	15	9	10	84	46
797	117568	Brazil ---	-----	-----	P	S	P	Oxford --	39	111	23	42	13	4	14	80	55
799	117654	---do----	-----	-----	P	S	P	Lexington	48	89	14	32	14	6	10	64	14
804	117659	---do----	-----	-----	CF	S	P	Oxford --	34	66	19	32	8	8	7	52	16
805	117660	---do----	-----	-----	FC	S	P	Lexington	54	105	26	54	20	6	11	149	68
806	117661	---do----	-----	-----	FC	S	P	Oxford --	73	83	24	42	17	6	10	183	48
810	117665	---do----	-----	-----	FC	S	P	Lexington	--	81	24	50	25	10	--	147	64
813	117668	---do----	-----	-----	FC	S	R	Oxford --	42	118	22	43	15	13	14	90	64
814	117669	---do----	-----	-----	FC	S	P	Lexington	56	81	19	40	20	7	12	128	41
817	117672	---do----	-----	-----	P	S	P	Oxford --	57	87	27	45	18	13	25	138	59
819	117674	---do----	-----	-----	P	S	P	Lexington	96+	--	--	--	21	20	0	168	107
820	117675	---do----	-----	-----	P	S	P	Oxford --	57	90	27	42	17	13	19	138	89
821	117676	---do----	-----	-----	FC	S	P	Lexington	74	84	27	44	22	22	15	154	72
822	117677	---do----	-----	-----	FC	S	P	Oxford --	47	83	34	64	14	0	11	109	100
824	117994	---do----	-----	-----	FC	S	P	Lexington	57	80	19	54	18	3	9	110	36
825	117995	---do----	-----	-----	FC	S	P	Oxford --	40	113	25	46	18	18	14	93	73
		-----	-----	-----	P	S	P	Lexington	54	74	20	46	18	17	11	96	48
		-----	-----	-----	P	S	P	Oxford --	30	94	19	37	11	8	7	37	32
		-----	-----	-----	P	S	P	Lexington	53	98	20	41	7	7	7	57	21
		-----	-----	-----	P	S	P	Oxford --	40	121	23	42	13	7	13	90	45
		-----	-----	-----	FC	S	P	Lexington	48	86	24	36	15	8	10	104	51
		-----	-----	-----	FC	S	P	Oxford --	47	91	24	42	17	8	20	102	64
		-----	-----	-----	FC	S	P	Lexington	67	93	24	56	18	18	8	118	22
		-----	-----	-----	B	S	P	Oxford --	51	95	23	46	15	9	21	95	70
		-----	-----	-----	CF	S	P	Lexington	67	78	36	58	20	11	10	141	44
		-----	-----	-----	CF	S	P	Oxford --	45	99	25	42	14	12	18	77	80
		-----	-----	-----	CF	S	R	Lexington	54	87	25	49	18	7	10	112	59
		-----	-----	-----	CF	S	R	Oxford --	40	92	23	53	15	3	20	103	61
		-----	-----	-----	CF	S	R	Lexington	54	82	15	39	17	1	13	84	30
		-----	-----	-----	CF	S	R	Oxford --	45	86	23	45	17	10	18	119	64
		-----	-----	-----	CF	S	R	Lexington	53	91	20	39	17	8	8	90	36
		-----	-----	-----	CF	S	R	Oxford --	58	72	25	45	17	3	11	109	61
		-----	-----	-----	CF	S	P	Lexington	47	104	22	42	17	8	10	121	33
		-----	-----	-----	P	S	R	Oxford --	74	96	17	36	20	9	20	103	59
		-----	-----	-----	P	S	R	Lexington	40	104	23	48	13	4	23	118	17
		-----	-----	-----	Lexington			Oxford --	47	78	19	47	15	4	9	103	50
		-----	-----	-----	Lexington			Lexington	47							76	25

KEY--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CU=cigar wrapper, FC=flue-cured, H=Hunarian, NT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiole, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attachment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped		
826	117996	Brazil	----	P	S	P	Oxford	--	84	24	42	11	4	16	80
828	118106	Venezuela	----	FC	S	P	Lexington	46	67	26	47	16	13	11	87
829	118107	----	----	FC	S	P	Lexington	43	99	24	47	15	1	16	112
832	118110	----	----	P	S	R	Lexington	53	99	24	41	17	4	9	119
834	118112	----	----	CF	S	P	Lexington	47	100	24	46	17	0	15	108
835	118113	----	----	CF	S	P	Lexington	53	84	22	52	17	3	8	123
839	118117	----	----	CF	S	P	Lexington	47	112	22	39	14	8	14	91
840	118118	----	----	CF	S	P	Lexington	64	83	14	36	16	14	4	120
841	118119	----	----	CF	S	P	Lexington	47	104	19	56	16	2	13	114
843	118121	----	----	CF	S	P	Lexington	59	91	16	62	21	7	13	142
844	118122	----	----	CF	S	P	Lexington	49	96	29	52	15	4	18	112
845	118123	----	----	CF	S	P	Lexington	66	140	31	59	20	2	14	134
848	118126	----	----	CF	S	P	Lexington	47	90	24	55	17	0	15	107
850	118128	----	----	CF	S	P	Lexington	68	101	16	54	19	2	10	122
851	118129	----	----	CF	S	P	Lexington	49	91	25	57	17	1	13	132
852	118130	----	----	CF	S	P	Lexington	60	69	21	59	21	4	10	162
853	118131	----	----	CF	S	P	Lexington	42	106	19	53	14	8	16	90
854	118132	----	----	CF	S	P	Lexington	53	73	12	56	19	6	9	108
855	118133	----	----	CF	S	P	Lexington	68	87	20	56	15	3	17	113
856	118134	----	----	CF	S	P	Lexington	56	73	18	65	21	8	12	149
857	118135	----	----	CF	S	P	Lexington	51	88	28	58	16	0	6	147
859	118137	Venezuela	----	FC	S	P	Lexington	59	96	22	66	22	3	9	154
860	118138	----	----	P	S	P	Lexington	45	74	32	50	14	4	15	129
								53	66	31	56	16	2	11	145
								61	58	29	56	22	0	6	155
								96+	76	20	59	30	7	--	177
								47	84	29	50	18	14	15	132
								61	64	25	43	20	18	8	148
								54	94	28	56	18	1	12	139
								62	93	22	58	25	6	12	172
								51	96	24	56	15	0	11	132
								62	83	23	61	25	2	11	133
								47	102	22	48	13	5	20	101
								47	106	15	51	18	11	9	112
								47	103	20	52	15	9	21	117
								54	75	17	48	21	17	12	136
								54	81	23	51	18	0	7	124
								74	73	21	54	28	6	9	163
								51	83	27	53	16	2	6	126
								42	107	23	51	15	10	19	93
								54	70	20	51	16	9	11	100
								49	97	25	47	15	1	13	125
								54	98	29	58	18	3	7	148
								44	110	19	52	16	5	22	98
								55	74	13	45	17	7	8	99

861	118139	---do----	Tabaco Negro	-----	CF	S	P	Oxford --	51	91	25	56	14	1	13	117	75
865	118143	---do----	-----	-----	CF	S	P	Lexington	69	50	20	51	21	5	0	101	42
866	118144	---do----	-----	-----	CF	S	P	Lexington	--	64	20	47	29	2	--	138	164
868	118146	---do----	-----	-----	CF	S	P	Oxford --	51	95	24	58	14	2	14	154	106
870	118148	---do----	Negro or Salom	-----	CF	S	P	Lexington	70	78	16	50	23	8	6	130	104
872	118150	---do----	Tabaco Blanco	-----	FC	S	P	Lexington	--	85	20	53	18	0	8	134	57
874	118152	---do----	Cola de Gallo	-----	FC	S	P	Lexington	53	81	15	55	34	5	12	143	111
875	118153	---do----	Cubano	-----	P	S	P	Oxford --	43	100	27	48	14	3	19	169	100
877	118155	---do----	Virginia	-----	FC	S	P	Lexington	54	83	20	47	18	6	15	103	70
878	118156	---do----	Caraqueno	-----	FC	S	P	Oxford --	42	121	20	46	14	7	16	109	44
879	118157	---do----	Uvero	-----	FC	S	P	Lexington	54	67	18	48	14	4	7	94	64
880	118158	---do----	Rabo de Gallo	-----	CF	S	P	Oxford --	43	92	25	50	14	15	16	93	38
881	118159	---do----	-----	-----	P	S	P	Lexington	53	107	21	52	17	12	10	101	91
882	118160	---do----	Rabo de Gallo and Virginia.	-----	P	S	P	Oxford --	36	107	22	36	10	7	11	117	38
883	118161	---do----	Capadare	-----	CF	S	P	Lexington	47	79	23	34	13	9	11	69	39
888	118166	---do----	Cubano	-----	P	S	P	Oxford --	95	95	23	56	17	7	21	89	32
889	118167	---do----	Capadare and Rabo de Gallo.	-----	CF	S	P	Lexington	43	102	22	58	20	8	13	116	64
890	118168	---do----	Uvero, Caujaro and Capadare.	-----	CF	S	P	Oxford --	59	89	20	52	15	0	13	143	50
891	118169	---do----	Caujaro, Pailon, Gacho and Rabo de Gallo.	-----	CF	S	P	Lexington	47	98	25	53	16	5	18	137	82
892	118170	---do----	Pailon	-----	CF	S	P	Oxford --	60	102	18	54	24	16	11	171	43
893	118171	---do----	Caujaro	-----	CF	S	P	Lexington	45	98	20	47	13	3	20	98	84
894	118172	---do----	El Que Se Siembra Aqui	-----	CF	S	P	Oxford --	42	98	23	38	7	4	9	68	18
896	118174	---do----	Mixed	-----	FC	S	P	Oxford --	42	98	23	55	14	2	17	102	73
899	118177	---do----	Guacharo	-----	CF	S	P	Lexington	56	80	15	51	16	7	10	102	51

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: E=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, F=Hungarian, NT=no type identified, P=pale-yellow, T=turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attachment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)		
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped			Post-topped	
901	118179	Venezuela	Guacharo	CF	S	P	Oxford	--	45	92	27	52	14	0	16	113	77
910	118509	---do---	Americano and Cubano	P	S	P	Lexington	--	53	87	14	53	17	4	11	97	47
914	118513	---do---	-----	P	S	P	Lexington	--	47	108	27	52	14	5	16	108	61
916	118515	---do---	-----	CF	S	P	Oxford	--	53	105	23	49	15	2	10	97	48
918	118517	---do---	-----	CF	S	P	Lexington	--	49	106	25	51	16	4	20	118	50
920	118519	---do---	Guacharo	NT	--	P	Oxford	--	55	119	21	42	16	2	12	118	24
922	118521	---do---	-----	CF	S	P	Lexington	--	49	94	23	42	14	6	15	98	77
927	118526	---do---	-----	FC	S	P	Lexington	--	63	80	18	37	20	7	--	123	19
929	118528	---do---	Rabo de Gallo Negro	FC	S	P	Oxford	--	47	95	27	47	14	9	20	108	75
931	118530	---do---	Probably Capadare	FC	S	P	Lexington	--	56	82	24	46	23	16	10	112	46
933	118532	---do---	Rabo de Gallo Negro	FC	S	P	Oxford	--	51	--	23	51	18	5	8	130	82
934	118533	---do---	-----	FC	S	P	Lexington	--	56	88	25	55	17	8	11	132	61
935	118534	---do---	Rabo de Gallo Negro and Congo.	CF	S	P	Oxford	--	47	127	25	55	14	7	17	127	70
936	118535	---do---	Virginia	CF	S	P	Lexington	--	51	107	20	50	19	16	12	141	53
937	118536	---do---	Congo	CF	S	P	Oxford	--	56	93	23	56	17	6	15	103	91
940	118539	---do---	Mixed	CF	S	P	Lexington	--	73	78	18	54	22	12	1	123	79
941	118540	---do---	Maporito	FC	S	P	Oxford	--	57	90	29	50	16	1	5	130	102
942	118541	---do---	-----	FC	S	P	Lexington	--	68	104	34	60	16	2	8	126	93
944	118543	---do---	Cocuizo and Maporito	CF	S	P	Oxford	--	47	87	24	53	15	10	16	111	52
946	118545	---do---	Mixed	PY	S	P	Lexington	--	61	89	20	52	17	14	11	122	58
947	118546	---do---	Negro	FC	S	P	Oxford	--	49	94	27	57	17	3	17	146	77
950	118549	Venezuela	-----	CW	S	P	Lexington	--	59	75	18	51	21	9	16	155	52
951	118550	---do---	Virginia	CF	S	P	Oxford	--	47	96	25	46	15	7	20	123	61
							Lexington	--	56	81	22	41	18	18	10	132	--
							Oxford	--	57	80	27	56	16	0	11	124	89
							Lexington	--	60	96	24	60	23	9	10	124	55
							Oxford	--	47	79	24	53	16	3	15	112	93
							Lexington	--	54	60	20	59	19	14	11	113	73
							Oxford	--	49	94	22	48	15	5	16	102	68
							Lexington	--	76	95	18	46	20	7	13	119	28
							Oxford	--	54	81	23	52	14	3	12	119	93
							Lexington	--	67	70	20	59	22	12	13	140	93
							Oxford	--	40	89	27	48	13	10	14	93	57
							Lexington	--	55	88	27	54	21	17	8	142	64
							Oxford	--	49	101	27	48	16	5	14	104	98
							Lexington	--	59	74	22	59	19	18	11	142	87
							Oxford	--	57	86	31	50	16	10	15	170	80
							Lexington	--	61	116	30	56	24	14	12	192	73
							Oxford	--	51	101	29	51	13	9	16	125	52
							Lexington	--	55	93	23	55	20	16	11	152	46

953	118552	---do-----	Planton	-----	FC	S	P	Oxford -- Lexington	51	88	23	50	19	1	15	135	75
955	118554	---do-----	Rabo de Gallo	-----	FC	S	P	Oxford -- Lexington	61	89	22	54	20	5	13	147	47
956	118555	---do-----	Cocoroteno	-----	P	S	P	Oxford -- Lexington	61	48	24	46	23	11	16	174	63
959	118430	Brazil ---	-----	-----	CF	S	P	Oxford -- Lexington	48	81	20	46	15	13	11	113	90
960	118465	---do-----	-----	-----	CF	S	P	Oxford -- Lexington	47	89	25	47	15	10	19	103	55
964	118734	---do-----	Virginia Bright	-----	PY	S	P	Oxford -- Lexington	43	83	32	57	14	0	12	94	93
964	118734	---do-----	-----do-----	-----	FC	S	P	Oxford -- Lexington	47	83	34	56	15	1	12	106	89
967	118737	---do-----	Brasil Bahia	-----	P	S	P	Oxford -- Lexington	30	97	19	38	10	7	18	46	34
968	118738	---do-----	Cubano	-----	FC	S	P	Oxford -- Lexington	34	93	19	35	7	5	7	47	15
971	118741	---do-----	Gober Peloes	-----	CF	S	P	Oxford -- Lexington	58	93	23	46	20	6	12	125	64
973	118743	---do-----	Hickory Pryor	-----	FC	S	P	Oxford -- Lexington	54	95	31	61	16	3	18	143	95
975	118745	---do-----	Heavy Drooping Leaf	--	B	S	P	Oxford -- Lexington	67	61	28	63	17	1	10	106	77
979	118749	---do-----	Tripoli	-----	FC	S	P	Oxford -- Lexington	57	76	31	77	19	2	7	101	89
980	118750	---do-----	Perustitza	-----	T	S	P	Oxford -- Lexington	50	85	28	69	16	5	7	119	37
981	118751	---do-----	Samsun	-----	FC	S	P	Oxford -- Lexington	38	77	22	47	10	8	12	73	36
982	118752	---do-----	Goyano	-----	FC	S	P	Oxford -- Lexington	54	82	26	52	17	3	8	113	43
983	118753	---do-----	Havana	-----	T	S	P	Oxford -- Lexington	67	65	21	64	17	0	5	105	56
984	118754	---do-----	Sylvestris	-----	CF	S	P	Oxford -- Lexington	49	100	26	42	14	10	12	100	55
990	119106	---do-----	-----	-----	CF	S	P	Oxford -- Lexington	61	108	29	58	23	7	10	177	66
995	121073	Argentina	Chileno Grande	-----	NT	S	P	Oxford -- Lexington	51	114	28	51	13	2	16	113	70
998	119821	---do-----	Colorado.	-----	P	S	P	Oxford -- Lexington	73	83	27	76	27	6	13	165	170
999	119822	---do-----	-----	-----	PY	S	P	Oxford -- Lexington	89	81	22	56	15	1	6	183	107
1004	119886	Paraguay -	-----	-----	FC	S	P	Oxford -- Lexington	47	95	24	55	15	3	13	110	66
1005	119887	---do-----	-----	-----	CF	S	P	Oxford -- Lexington	57	104	24	45	16	5	11	93	29
									49	87	23	56	14	1	13	90	80
									61	82	22	65	18	4	10	122	67

KEY--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, F=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T-Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attachment	Flower color	Flower Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped	Post-topped	
1006	119888	Paraguay -	-----	PY	S	P	Oxford --	54	86	23	52	14	4	12	82
1007	119889	---do---	-----	NT	S	P	Lexington --	76	76	25	66	21	8	11	153
1008	121499	---do---	-----	PY	S	P	Lexington --	49	85	22	53	15	0	10	73
1011	121502	---do---	-----	PY	S	P	Oxford --	54	76	20	69	17	0	6	36
1013	120513	Turkey ---	-----	FC	S	P	Oxford --	49	81	22	56	16	1	8	95
1014	120514	---do---	-----	P	S	P	Lexington --	63	88	20	57	16	0	6	95
1017	120517	---do---	-----	T	P	P	Oxford --	51	92	23	65	16	2	11	80
1018	120518	---do---	-----	NT	P	P	Lexington --	60	89	25	72	24	8	10	128
1019	120519	---do---	-----	P	S	P	Oxford --	42	98	27	53	12	6	12	100
1022	119155	Venezuela	-----	CF	S	P	Lexington --	62	97	21	51	15	5	11	43
1024	119157	---do---	-----	P	S	P	Oxford --	36	97	19	39	11	8	16	34
1025	119158	Mixed: Rabo de Gallo, Oreja de Mula, Habano.	-----	FC	S	P	Lexington --	40	78	22	48	12	10	10	25
1026	119159	---do---	-----	CF	S	P	Oxford --	45	87	31	41	16	7	19	66
1028	119161	---do---	-----	CF	S	P	Lexington --	54	80	25	36	22	11	16	82
1029	119162	---do---	-----	CF	S	P	Oxford --	44	99	22	41	17	9	19	34
1030	119163	---do---	-----	CF	S	P	Lexington --	53	61	23	39	20	13	3	62
1031	119164	---do---	-----	CF	S	P	Oxford --	40	100	24	42	14	6	15	59
1032	119165	---do---	-----	CF	S	P	Lexington --	46	99	20	46	14	13	7	17
1040	119173	---do---	-----	FC	S	P	Lexington --	51	94	22	53	16	2	19	95
1042	119175	---do---	-----	CF	S	P	Oxford --	57	79	21	62	26	15	13	70
1043	119176	---do---	-----	CF	S	P	Lexington --	43	103	24	47	15	2	22	55
1046	119179	Venezuela	-----	FC	S	P	Oxford --	50	95	23	53	16	6	12	40
1048	119181	---do---	-----	P	P	P	Lexington --	40	106	27	48	13	12	11	61
1026	119159	---do---	-----	CF	S	P	Lexington --	54	88	18	44	14	3	9	28
1028	119161	---do---	-----	CF	S	P	Oxford --	43	94	29	50	13	1	21	59
1029	119162	---do---	-----	CF	S	P	Lexington --	47	69	17	40	14	5	12	29
1030	119163	---do---	-----	CF	S	P	Oxford --	40	87	28	53	14	4	21	66
1031	119164	---do---	-----	CF	S	P	Lexington --	54	97	21	48	15	5	9	30
1032	119165	---do---	-----	CF	S	P	Oxford --	45	96	36	53	12	6	15	73
1040	119173	---do---	-----	FC	S	P	Lexington --	56	104	21	36	15	8	10	21
1042	119175	---do---	-----	CF	S	P	Oxford --	45	94	29	51	15	1	19	70
1043	119176	---do---	-----	CF	S	P	Lexington --	48	91	27	55	17	2	13	46
1046	119179	Venezuela	-----	FC	S	P	Oxford --	45	115	29	46	14	2	10	52
1048	119181	---do---	-----	P	P	P	Lexington --	45	97	15	41	14	7	12	39
1026	119159	---do---	-----	CF	S	P	Lexington --	54	75	20	39	14	2	11	61
1028	119161	---do---	-----	CF	S	P	Oxford --	54	87	16	40	14	5	7	24
1029	119162	---do---	-----	CF	S	P	Lexington --	61	95	28	42	15	3	11	125
1030	119163	---do---	-----	CF	S	P	Oxford --	57	73	29	49	17	6	9	72
1031	119164	---do---	-----	CF	S	P	Lexington --	57	81	27	47	14	5	11	73
1032	119165	---do---	-----	CF	S	P	Oxford --	65	70	23	46	20	0	11	46
1040	119173	---do---	-----	FC	S	P	Lexington --	77	74	24	52	35	5	16	104
1042	119175	---do---	-----	CF	S	P	Oxford --	77	88	22	42	16	3	16	56
1043	119176	---do---	-----	CF	S	P	Lexington --	77	76	28	57	29	7	16	100
1046	119179	Venezuela	-----	FC	S	P	Oxford --	47	96	31	57	13	3	18	59
1048	119181	---do---	-----	P	P	P	Lexington --	54	102	34	63	15	13	14	59

1049	119182	---do----	Habano	-----	P	S	P	Oxford	--	52	103	25	50	15	13	10	125	57
1050	119183	---do----	Ambireno	-----	P	S	P	Oxford	--	57	84	24	54	20	16	10	157	51
1051	119184	---do----	Tabaco Negro	-----	FC	S	P	Oxford	--	45	113	25	50	15	4	18	82	57
1057	119190	---do----		-----	CW	S	R	Oxford	--	59	102	20	45	15	14	14	70	33
1059	119192	---do----		-----	CF	S	P	Oxford	--	44	83	25	50	17	4	11	97	77
1060	119193	---do----		-----	P	S	P	Oxford	--	54	63	21	58	21	11	15	126	65
1061	119194	---do----	Cuba	-----	P	S	P	Oxford	--	43	86	29	50	15	6	16	115	61
1065	119205	Argentina	Habano Colorado	-----	P	S	P	Oxford	--	50	76	33	49	17	9	12	98	43
1067	119207	---do----	Lampazo	-----	PY	S	P	Oxford	--	89	70	25	47	14	2	10	203	98
1068	119208	---do----	Hoja Parado	-----	PY	S	P	Oxford	--	--	84	25	58	33	16	--	198	--
1070	119210	---do----		-----	FC	S	P	Oxford	--	57	91	33	50	16	0	8	109	68
1071	119211	---do----		-----	CW	S	P	Oxford	--	--	68	32	46	25	7	--	141	67
1073	119869	Peru	Cold Leaf Orinoco	-----	FC	S	P	Oxford	--	50	83	28	43	17	1	14	135	84
1075	119871	---do----	Judi Pride Bertel	-----	B	S	P	Oxford	--	--	57	26	62	27	6	10	180	63
1075	119871	---do----		-----	FC	S	P	Oxford	--	44	86	27	52	15	2	14	89	57
1076	119872	---do----	Madole Tabaco	-----	FC	S	P	Oxford	--	57	50	21	64	20	7	9	100	60
1077	119873	---do----	Maryland Broadleaf	---	FC	S	P	Oxford	--	36	87	27	51	17	0	8	148	66
1078	119874	---do----	Semilla de Tabaco, Rustico Peruano.	-----	FC	S	P	Oxford	--	61	44	23	49	21	1	10	178	74
1079	405536	---do----		-----	CW	S	P	Oxford	--	77	68	22	56	20	1	6	150	84
1080	405537	Venezuela	Guayabito	-----	FC	S	P	Oxford	--	84	63	21	74	33	1	12	169	--
1082	121523	Argentina	Crillio Saltono	-----	PY	S	P	Oxford	--	49	84	28	50	17	0	10	130	75
1083	121524	---do----		-----	PY	S	P	Oxford	--	58	67	21	60	21	12	11	136	61
1084	121525	---do----	Chileno Colorado, Hoja Angosta.	-----	FC	S	P	Oxford	--	45	85	38	51	17	4	15	121	102
1085	121526	---do----		-----	PY	S	P	Oxford	--	56	88	30	70	17	6	11	107	67

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured,
H=Hungarian, HT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower
color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)	
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped			Post-topped
1088	121529	Argentina	Lampazo	PY	S	P	Oxford	--	83	28	52	16	1	6	147	75
1089	121530	----	Hoja Parada	PY	S	P	Lexington	61	82	30	56	20	1	8	151	79
1091	121532	----	Criollo Colorado	PY	S	P	Lexington	--	51	85	24	53	3	13	126	77
1092	121533	----	----	P	S	P	Lexington	--	57	48	23	58	5	13	141	79
1093	121534	----	----	CF	S	P	Lexington	--	47	87	27	47	3	14	110	75
1095	121536	----	Chileno Grande Colorado.	PY	S	P	Lexington	--	54	39	31	54	4	10	133	83
1097	121538	----	Chileno Grande Amari	FC	S	P	Oxford	--	40	108	23	48	6	16	133	83
1098	121539	----	----	PY	S	P	Lexington	--	51	107	22	47	10	12	137	28
1099	121540	----	Chileno Correntino	PY	S	P	Oxford	--	97	23	47	14	5	15	117	64
1100	121541	----	----	P	S	P	Lexington	--	76	24	57	19	16	14	140	60
1104	119409	Colombia	Castillo Negro	FC	S	P	Oxford	--	75	20	57	14	5	11	160	153
1110	119415	----	Habano	P	S	P	Lexington	--	58	18	71	29	4	11	160	153
1112	124166	Venezuela	Blanco	P	S	P	Lexington	--	49	75	27	47	0	9	70	95
1113	119447	----	Giron	FC	S	P	Oxford	--	53	11	27	17	0	--	93	10
1114	119448	----	Ambalema	CW	S	P	Lexington	--	87	25	52	13	0	9	120	100
1117	119451	----	Habano	FC	S	P	Oxford	--	66	24	52	26	3	--	136	92
1118	119452	----	Caribe	P	S	P	Lexington	--	94	24	57	15	5	18	82	93
1119	119453	----	Creja de Mula	CW	S	P	Oxford	--	45	107	25	56	10	17	93	66
1120	119454	----	----	P	S	P	Lexington	--	73	21	56	19	19	12	121	65
1122	119456	----	----	FC	S	P	Oxford	--	80	31	55	19	1	6	175	143
1123	119457	----	----	P	S	P	Lexington	--	71	27	62	29	5	--	201	87
1124	119458	Venezuela	----	FC	S	P	Lexington	--	105	23	50	17	6	16	106	52
1125	119459	----	Liso	CW	S	P	Oxford	--	68	22	56	19	12	11	111	52
							Lexington	--	93	32	48	11	4	16	90	59
							Oxford	--	118	26	39	11	8	8	100	27
							Lexington	--	114	31	46	15	7	16	88	61
							Oxford	--	94	24	42	12	11	9	113	41
							Lexington	--	85	29	48	16	5	14	109	95
							Oxford	--	87	23	42	16	9	10	125	48
							Lexington	--	98	31	50	16	5	14	56	104
							Oxford	--	73	25	47	18	13	4	143	48
							Lexington	--	96	24	48	13	4	18	100	55
							Oxford	--	99	23	57	15	8	12	93	39
							Lexington	--	98	28	47	15	4	14	111	84
							Oxford	--	100	23	40	16	10	10	99	23
							Lexington	--	97	24	45	12	0	20	73	61
							Oxford	--	90	23	45	17	16	11	88	40
							Lexington	--	86	25	51	13	0	14	94	57
							Oxford	--	60	32	71	22	4	18	166	106
							Lexington	--	96	28	52	13	3	16	102	73
							Oxford	--	79	18	40	14	9	10	76	38
							Lexington	--	119	31	48	13	5	15	75	61
							Oxford	--	96	31	60	16	19	13	105	65
							Lexington	--	96	27	47	14	9	17	99	73
							Oxford	--	100	24	46	16	11	10	88	49

1126	119460	---do----	-----	P	S	P	Oxford --	40	117	27	52	13	4	15	90	43
1127	119461	---do----	-----	P	S	P	Lexington	46	101	23	52	15	14	11	97	45
1129	119463	---do----	-----	P	S	P	Lexington	44	96	29	48	13	3	20	100	48
1130	119464	---do----	-----	P	S	P	Oxford --	40	116	25	46	13	5	23	103	57
1132	119466	---do----	-----	P	S	P	Lexington	47	109	18	38	16	14	10	101	42
1133	119467	---do----	-----	P	S	P	Oxford --	45	90	23	47	13	12	14	104	64
1134	119468	---do----	-----	P	S	P	Lexington	52	105	22	42	23	24	12	97	57
1136	119470	---do----	-----	P	S	P	Oxford --	42	98	25	51	13	5	20	99	59
1138	119472	---do----	-----	P	S	P	Lexington	49	98	25	63	17	6	14	104	58
1139	119473	---do----	-----	P	S	P	Oxford --	47	86	23	45	18	3	16	84	61
1140	124588	India ----	-----	FC	S	P	Lexington	54	62	23	53	19	9	10	124	66
1141	405538	Brazil ---	-----	FC	S	P	Oxford --	43	103	25	51	16	13	18	123	48
1143	405539	---do----	-----	FC	S	P	Lexington	54	103	24	56	21	18	13	137	--
1144	124164	Guatemala	-----	CF	S	P	Oxford --	43	131	24	46	14	8	15	105	57
1145	405540	Japan	-----	FC	S	P	Lexington	47	96	24	45	18	16	12	102	46
1148	128179	Guatemala	-----	FC	S	P	Oxford --	49	87	31	56	13	5	15	88	80
1160	130978	---do----	-----	CF	S	P	Lexington	56	93	33	64	16	15	13	113	65
1201	405541	---do----	-----	CF	S	P	Oxford --	43	106	25	50	11	4	19	91	73
1202	405542	---do----	-----	CF	S	P	Lexington	80	77	31	52	24	17	--	154	60
1203	408938	---do----	-----	CF	S	P	Oxford --	45	86	25	53	13	4	16	93	68
1204	405543	---do----	-----	CF	S	P	Lexington	50	96	26	55	14	8	11	97	93
1205	405544	South America.	-----	FC	S	P	Oxford --	89	59	25	55	16	1	16	163	--
1211	405545	---do----	-----	FC	S	P	Lexington	73	58	25	66	26	3	3	144	156
1212	405546	Turkey ---	-----	FC	S	P	Oxford --	54	70	29	48	15	8	19	110	77
			-----	PY	S	P	Lexington	61	55	30	49	19	14	3	133	51
			-----	FC	S	P	Oxford --	45	81	32	53	14	1	19	104	77
			-----	FC	S	P	Lexington	58	72	26	54	19	10	11	142	51
			-----	FC	S	P	Oxford --	49	80	31	53	17	6	10	117	104
			-----	FC	S	P	Lexington	76	80	28	54	25	5	10	128	67
			-----	CF	S	P	Oxford --	47	71	36	53	16	0	8	116	100
			-----	CF	S	P	Lexington	54	74	21	53	18	2	8	112	61
			-----	CF	S	P	Oxford --	49	101	24	39	13	2	11	104	70
			-----	CF	S	P	Lexington	54	88	33	51	16	12	12	128	67
			-----	CF	S	P	Oxford --	77	82	25	48	18	0	11	177	91
			-----	CF	S	P	Lexington	--	74	26	57	32	6	0	210	110
			-----	CF	S	P	Oxford --	65	87	29	50	16	1	10	158	105
			-----	CF	S	P	Lexington	96	64	35	54	29	3	--	219	85
			-----	CF	S	P	Oxford --	65	93	36	51	17	1	8	150	73
			-----	CF	S	P	Lexington	--	76	33	54	28	5	--	198	142
			-----	CF	S	P	Oxford --	47	84	31	52	14	1	15	119	80
			-----	FC	S	P	Lexington	58	68	31	63	19	5	11	139	38
			-----	FC	S	P	Oxford --	42	120	27	51	15	8	14	123	57
			-----	FC	S	P	Lexington	54	101	18	48	17	9	11	136	39
			-----	FC	S	P	Oxford --	51	100	27	52	13	9	18	128	77
			-----	FC	S	P	Lexington	75	87	16	41	25	10	9	136	42
			-----	FC	S	P	Oxford --	38	82	33	46	12	7	15	103	57
			-----	FC	S	P	Lexington	47	61	27	45	18	7	11	95	47

KEY--TI=tobacco introduction; PI=plant introduction; Plant types: E=burley, CF=cigar wrapper, FC=flue-cured, H=Hungarian, HT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant		
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre- topped		Post- topped	Height (cm)
1213	405547	Turkey	---	FC	S	P	Oxford	42	62	32	56	14	4	13	105	43
1214	405548	---	---	FC	S	P	Oxford	47	47	24	56	16	6	16	96	45
1215	405549	---	---	P	S	R	Oxford	37	106	36	48	10	5	14	81	52
1216	405550	---	---	P	S	R	Oxford	48	70	32	56	14	4	13	117	32
1217	405551	---	---	P	S	R	Oxford	35	95	18	34	10	9	22	54	30
1218	405552	---	---	P	S	R	Oxford	40	60	26	46	10	6	13	63	20
1219	405553	---	---	H	S	R	Oxford	33	91	25	48	12	5	20	63	43
1220	405554	---	---	H	S	R	Oxford	38	64	22	49	11	6	9	72	19
1221	405555	---	---	T	S	P	Oxford	38	98	24	41	10	8	16	57	50
1222	405556	---	---	T	S	P	Oxford	40	70	27	48	12	10	11	63	34
1223	405557	---	---	T	S	R	Oxford	42	89	24	45	11	7	13	66	64
1224	405558	---	---	T	S	P	Oxford	44	74	28	49	13	6	10	59	38
1225	405559	---	---	T	S	P	Oxford	44	79	23	37	16	13	17	91	55
1226	405560	---	---	T	S	P	Oxford	49	80	20	37	19	13	13	92	42
1227	405561	---	---	T	S	P	Oxford	40	94	19	37	15	14	18	89	50
1228	405562	---	---	T	S	P	Oxford	54	64	20	41	17	19	11	122	45
1229	405563	---	---	T	S	P	Oxford	36	94	18	33	13	6	22	69	57
1230	405564	---	---	T	S	P	Oxford	42	50	20	37	14	9	13	77	32
1231	405565	---	---	T	S	P	Oxford	38	85	22	37	14	10	14	85	48
1232	405566	---	---	T	S	P	Oxford	48	70	25	42	17	6	13	91	42
1233	405567	---	---	T	S	P	Oxford	39	91	20	37	13	14	12	80	43
1234	405568	---	---	T	S	P	Oxford	49	95	21	42	15	8	13	92	39
1235	405569	---	---	FC	S	P	Oxford	43	82	19	34	16	11	17	95	70
1236	405570	---	---	P	S	P	Oxford	37	85	23	41	8	8	12	42	57
1237	405571	---	---	P	S	P	Oxford	38	67	32	51	8	9	8	53	40
1238	405572	---	---	P	S	P	Oxford	38	110	23	56	14	2	19	79	55
1239	405573	---	---	T	S	P	Oxford	---	---	---	---	---	---	---	---	---
1240	405574	---	---	T	S	W	Oxford	42	83	25	39	17	8	13	97	61
1241	405575	---	---	T	S	P	Oxford	48	53	20	41	21	6	16	114	52
1242	405576	---	---	T	S	P	Oxford	38	78	22	43	14	11	15	93	39
1243	405577	---	---	T	S	P	Oxford	49	68	23	45	21	5	14	101	40
1244	405578	---	---	T	S	P	Oxford	40	90	19	33	14	6	17	87	45
1245	405579	---	---	NT	S	P	Oxford	38	76	23	35	7	5	8	51	22
1246	405580	---	---	T	S	P	Oxford	27	120	20	33	9	8	7	46	91
1247	405581	---	---	T	S	P	Oxford	38	71	34	54	8	7	6	62	47
1248	405582	---	---	T	S	P	Oxford	27	89	25	37	16	4	23	127	61
1249	405583	---	---	T	S	P	Oxford	53	82	24	40	23	10	15	131	68
1250	405584	---	---	T	S	P	Oxford	42	94	31	51	16	2	14	94	80
1251	405585	---	---	T	P	P	Oxford	49	81	35	69	17	4	13	110	22
1252	405586	---	---	T	P	P	Oxford	43	103	22	39	18	8	13	125	70
1253	405587	---	---	T	S	P	Oxford	48	64	16	35	21	11	19	100	22
1254	405588	---	---	T	S	P	Oxford	37	121	29	39	11	10	15	77	61
1255	405589	---	---	B	S	P	Oxford	43	104	26	40	14	8	9	63	34
1256	405590	---	---	FC	S	P	Oxford	40	87	23	46	16	14	18	93	70
1257	405591	---	---	FC	S	P	Oxford	48	74	25	51	20	15	13	118	79
1258	405592	---	---	FC	S	P	Oxford	43	96	33	51	14	4	14	105	66
1259	405593	---	---	FC	S	P	Oxford	49	78	31	57	19	9	11	100	68

1241	405571	---do----	Dubeque	-----	T	S	P	Oxford	--	47	92	27	45	17	2	20	113	64
1242	405572	---do----	Dubeque	Aecitron	-----	T	S	P	Oxford	--	51	76	25	43	18	4	14	54
1243	405573	---do----	Dulvar	-----	FC	S	P	Lexington	--	40	81	25	45	13	9	12	97	48
1244	405574	---do----	Havane	-----	FC	S	P	Lexington	--	46	61	23	42	19	15	11	94	43
1245	405575	---do----	Herzogowina	-----	FC	S	P	Lexington	--	45	89	31	53	16	0	14	103	73
1246	405576	---do----	Hongrois	-----	FC	S	P	Lexington	--	48	83	37	63	18	3	8	104	67
1247	405577	---do----	Maryland	-----	FC	S	P	Oxford	--	40	90	37	55	12	6	22	103	70
1248	405578	---do----	Muscateler	-----	H	S	P	Lexington	--	49	71	32	60	18	3	5	106	74
1249	405579	---do----	Plantana	-----	T	S	P	Lexington	--	42	88	28	48	11	2	20	72	50
1250	405580	---do----	Prayr	-----	T	S	P	Lexington	--	42	66	26	52	15	12	9	82	31
1251	405581	---do----	Tike-Kulake	-----	T	S	P	Oxford	--	40	113	23	37	15	9	18	102	70
1252	405582	---do----	Trapesund	-----	T	S	P	Lexington	--	47	105	23	39	15	8	13	82	31
1253	405583	---do----	Virginia	-----	T	S	P	Oxford	--	44	106	25	48	14	2	13	92	68
1254	405584	Yugoslavia	Simox	-----	FC	S	R	Lexington	--	--	--	--	--	--	--	--	--	--
1255	405585	Paraguay	-----	FC	S	S	P	Oxford	--	38	90	37	57	11	1	17	113	77
1256	405586	Philip-	-----	FC	S	S	P	Lexington	--	44	68	32	64	14	4	11	116	61
1257	405587	Mexico	-----	FC	S	S	P	Oxford	--	47	84	31	47	14	15	19	96	61
1258	405588	India	-----	FC	S	S	P	Lexington	--	33	83	25	48	11	10	11	59	41
1259	405589	Ethiopia	-----	FC	S	S	P	Oxford	--	49	75	24	45	21	3	16	139	77
1260	405590	-----	-----	FC	S	S	P	Lexington	--	56	65	21	45	28	4	17	140	68
1261	405591	-----	-----	FC	S	S	P	Oxford	--	40	96	23	43	14	5	17	98	64
1262	405592	-----	-----	FC	S	S	P	Lexington	--	42	94	29	49	18	5	9	95	56
1263	405593	-----	-----	FC	S	S	P	Oxford	--	40	65	28	47	17	8	15	118	61
1264	405594	Korea	-----	FC	S	S	P	Lexington	--	47	76	22	43	17	9	11	105	58
1265	405595	-----	-----	FC	S	S	P	Oxford	--	40	67	27	45	15	11	19	95	48
1266	405596	-----	-----	FC	S	S	P	Lexington	--	46	54	23	46	18	14	12	92	44
1267	405597	-----	-----	FC	S	S	P	Oxford	--	43	95	27	47	8	2	18	59	57
1268	405598	-----	-----	FC	S	S	P	Lexington	--	48	73	32	61	22	4	12	79	68
1269	405599	-----	-----	FC	S	S	P	Oxford	--	40	87	22	37	15	7	22	63	50
1270	405600	-----	-----	FC	S	S	P	Lexington	--	48	73	25	45	16	5	11	67	34
1271	405601	-----	-----	FC	S	S	P	Oxford	--	45	131	28	55	12	3	13	102	73
1272	405602	-----	-----	FC	S	S	P	Lexington	--	51	127	15	42	13	6	11	77	34
1273	405603	-----	-----	FC	S	S	P	Oxford	--	45	109	34	51	14	4	19	140	77
1274	405604	-----	-----	FC	S	S	P	Lexington	--	50	91	25	48	15	6	9	129	44
1275	405605	-----	-----	FC	S	S	P	Oxford	--	47	76	31	56	17	1	11	109	77
1276	405606	-----	-----	FC	S	S	P	Lexington	--	59	64	27	59	19	3	10	126	51
1277	405607	-----	-----	FC	S	S	P	Oxford	--	35	113	29	45	12	3	18	86	43
1278	405608	-----	-----	FC	S	S	P	Lexington	--	38	59	27	43	9	8	10	58	22
1279	405609	-----	-----	FC	S	S	P	Oxford	--	40	94	23	39	13	8	15	82	64
1280	405610	-----	-----	FC	S	S	P	Lexington	--	50	69	24	35	12	14	6	91	31
1281	405611	-----	-----	FC	S	S	P	Oxford	--	42	89	25	43	13	9	15	85	59
1282	405612	-----	-----	FC	S	S	P	Lexington	--	53	91	23	36	13	11	6	78	19
1283	405613	-----	-----	FC	S	S	P	Oxford	--	40	86	25	42	14	10	14	96	55
1284	405614	-----	-----	FC	S	S	P	Lexington	--	50	69	21	39	14	12	9	105	40
1285	405615	-----	-----	FC	S	S	P	Oxford	--	47	84	22	34	14	14	19	111	43
1286	405616	-----	-----	FC	S	S	P	Lexington	--	54	74	18	33	17	18	11	126	32
1287	405617	-----	-----	FC	S	S	P	Oxford	--	42	94	37	53	11	2	14	77	77
1288	405618	-----	-----	FC	S	S	P	Lexington	--	53	47	31	57	14	4	9	86	60

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: P=burley, CF=cigar filler, CI=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PV=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant			
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre- topped		Post- topped	Height (cm)	Yield (g)
1275	405595	Korea	-----	P	S	P	Oxford	--	33	107	27	45	13	4	16	101	55
1276	405596	---do---	-----	P	S	P	Lexington	--	34	64	13	24	8	3	6	40	13
1277	405597	---do---	-----	CF	S	R	Lexington	--	56	72	19	50	16	3	10	106	50
1278	405598	---do---	-----	T	P	P	Lexington	--	42	115	29	46	13	0	10	104	62
1279	405599	---do---	-----	CW	S	P	Lexington	--	43	82	27	48	12	0	7	80	41
1280	405600	---do---	-----	T	P	P	Lexington	--	51	113	25	45	15	6	10	97	68
1281	405601	---do---	-----	P	S	P	Lexington	--	77	114	26	53	16	6	11	116	59
1282	225967	Yugoslavia	-----	T	P	P	Lexington	--	--	83	35	59	29	8	73	242	100
1283	225968	---do---	-----	H	S	P	Lexington	--	43	138	33	51	12	2	15	100	93
1284	225969	---do---	-----	P	S	P	Lexington	--	61	73	20	41	18	0	9	149	32
1285	225970	---do---	-----	H	S	P	Lexington	--	35	129	20	34	12	4	24	99	70
1286	225971	---do---	-----	H	S	P	Lexington	--	38	80	16	27	9	6	9	48	14
1287	225972	---do---	-----	H	S	P	Lexington	--	47	87	25	51	16	4	19	82	86
1288	225973	---do---	-----	H	S	P	Lexington	--	53	63	28	64	18	3	13	80	73
1289	225974	---do---	-----	H	S	P	Lexington	--	47	78	32	51	16	1	11	86	77
1290	225975	---do---	-----	H	S	P	Lexington	--	60	67	34	59	23	5	14	119	100
1291	225976	---do---	-----	H	S	P	Lexington	--	43	98	29	50	10	3	15	60	105
1292	225977	---do---	-----	H	S	P	Lexington	--	40	86	36	66	14	4	8	59	44
1293	225978	---do---	-----	H	S	P	Lexington	--	40	89	25	45	10	5	17	53	55
1294	225979	---do---	-----	H	S	P	Lexington	--	47	64	27	54	16	8	11	75	52
1295	225980	---do---	-----	H	S	P	Lexington	--	40	91	19	34	17	15	22	98	57
1296	225981	---do---	-----	H	S	P	Lexington	--	51	72	20	36	23	9	23	115	43
1297	225982	---do---	-----	CF	S	P	Lexington	--	45	90	33	51	15	5	12	91	123
1298	225983	---do---	-----	CF	S	P	Lexington	--	47	69	23	42	16	8	13	82	37
1299	225984	---do---	-----	CF	S	P	Lexington	--	40	87	34	62	13	0	14	80	82
1300	225985	---do---	-----	CF	S	P	Lexington	--	56	62	40	57	15	5	8	92	--
1301	225986	---do---	-----	H	S	P	Lexington	--	40	90	36	58	12	1	12	88	109
1302	225987	---do---	-----	H	S	P	Lexington	--	50	75	39	64	13	3	7	94	78
1303	225988	---do---	-----	H	S	P	Lexington	--	40	82	24	42	11	6	20	53	39
1304	225989	---do---	-----	H	S	P	Lexington	--	55	66	23	43	16	10	6	39	43
1305	225990	---do---	-----	H	S	P	Lexington	--	43	89	20	37	10	15	23	68	45
1306	225991	---do---	-----	T	P	P	Lexington	--	50	81	18	39	20	10	16	61	33
1307	225992	---do---	-----	T	P	P	Lexington	--	29	110	22	37	14	23	10	54	100
1308	225993	---do---	-----	H	S	P	Lexington	--	35	60	24	38	16	15	15	67	36
1309	225994	---do---	-----	H	S	P	Lexington	--	42	86	23	50	13	4	19	61	68
1310	225995	---do---	-----	CF	S	P	Lexington	--	54	68	26	63	15	7	10	83	65
1311	225996	---do---	-----	CF	S	P	Lexington	--	43	88	39	56	13	0	15	92	84
1312	225997	---do---	-----	H	S	P	Lexington	--	54	87	37	65	18	5	10	115	--
1313	225998	---do---	-----	H	S	P	Lexington	--	38	93	27	47	10	8	12	48	57
1314	225999	---do---	-----	H	S	P	Lexington	--	41	61	27	50	11	9	6	32	41
1315	226000	---do---	-----	H	S	P	Lexington	--	38	98	25	41	9	6	14	53	41
1316	226001	---do---	-----	T	S	P	Lexington	--	42	71	32	50	8	6	8	68	36
1317	226002	---do---	-----	T	S	P	Lexington	--	36	100	13	24	14	13	22	94	30
1318	226003	---do---	-----	P	S	P	Lexington	--	46	73	14	26	23	18	19	107	24
1319	405602	Venezuela	-----	P	S	P	Lexington	--	40	110	22	46	10	0	21	78	75

1299	235558	Bolivia	--	Native Tobacco	-----	FC	S	P	Lexington	50	91	18	37	10	8	9	59	26
									Oxford --	52	101	24	45	17	11	12	138	55
1300	235559	---	do-----	-----	-----	PY	S	P	Lexington	73	95	22	47	21	18	14	151	41
									Oxford --	45	93	18	38	14	10	14	95	50
1301	235560	---	do-----	-----	-----	T	S	P	Lexington	53	70	16	33	15	16	6	89	23
									Oxford --	40	111	23	41	14	12	20	93	61
1302	235561	---	do-----	-----	-----	T	S	P	Lexington	53	79	20	41	15	17	12	90	31
									Oxford --	47	107	20	37	16	10	22	110	64
1303	235562	---	do-----	-----	-----	CF	S	P	Lexington	53	102	23	37	14	10	9	102	23
									Oxford --	49	92	34	53	13	0	7	125	93
1304	241412	Argentina		Mixed: Criollo, Salteno, Amarillo.		PY	S	P	Lexington	56	90	30	60	22	1	11	136	70
									Oxford --	51	80	27	57	17	3	8	123	86
1305	241413	---	do-----	Mixed: Criollo, Salta, Salteno, Hoja Parada.		PY	S	P	Lexington	59	70	28	68	24	5	11	154	102
									Oxford --	49	77	23	52	15	3	11	103	77
									Lexington	58	60	26	66	19	5	13	127	72
1306	241414	---	do-----	Oriental Samsun	-----	T	S	P	Oxford --	43	81	27	38	17	7	13	109	80
									Lexington	49	93	30	45	22	9	15	128	76
1308	240827	New Guinea		-----	-----	P	S	P	Oxford --	38	105	18	43	12	5	16	75	45
									Lexington	55	62	13	36	14	5	9	87	22
1309	239654	---	do-----	-----	-----	FC	S	R	Oxford --	54	116	28	51	13	6	13	133	80
									Lexington	72	88	26	53	16	14	3	145	61
1310	240354	---	do-----	-----	-----	CF	S	P	Oxford --	47	84	28	56	12	1	14	90	105
									Lexington	78	62	23	60	17	2	7	104	67
1311	239655	---	do-----	Oriental	-----	T	P	R	Oxford --	47	140	23	46	16	15	15	111	73
									Lexington	53	115	20	45	19	20	10	127	39
1312	241765	Chile	----	-----	-----	FC	S	P	Oxford --	49	74	29	50	14	4	16	138	61
									Lexington	59	80	25	48	20	15	10	161	48
1313	244753	Greece	---	Basma	-----	T	S	P	Oxford --	42	92	17	33	15	7	23	108	45
									Lexington	49	67	18	30	25	15	11	113	29
1315	405603	New Zealand.		Ipomopsisiflora	-----	T	S	P	Oxford --	33	112	27	43	12	5	20	78	66
									Lexington	38	78	26	48	9	3	7	42	34
1316	405604	---	do-----	Calcyiflora	-----	CF	S	R	Oxford --	36	111	37	50	11	7	14	78	68
									Lexington	44	79	31	50	12	2	11	73	43
1317	405605	---	do-----	Adjuctifolia	-----	T	S	P	Oxford --	40	89	17	42	15	7	28	92	61
									Lexington	41	70	16	47	12	17	8	90	32
1318	405606	---	do-----	Chinensis	-----	T	S	P	Oxford --	30	137	17	38	8	8	16	64	32
									Lexington	32	65	11	35	7	7	10	54	18
1319	241539	New Guinea		-----	-----	CF	S	R	Oxford --	58	115	24	50	14	4	8	135	68
									Lexington	64	111	22	60	16	9	10	147	51
1320	405607	Yugoslavia		Jaka Kireciler	-----	T	S	P	Oxford --	36	94	13	25	15	12	21	88	21
									Lexington	39	83	17	36	14	16	13	78	29
1321	405608	---	do-----	Ravnjak	-----	H	S	P	Oxford --	42	96	31	52	7	5	19	49	64
									Lexington	48	101	38	70	18	4	12	69	61
1322	405609	---	do-----	Bajino Basta Jaka Type		T	S	P	Oxford --	42	87	19	33	14	13	29	98	34
									Lexington	47	71	15	29	24	8	24	111	28

KEY--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, NT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant			
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre- topped	Post- topped	Height (cm)	Yield (g)	
1323	405610	Yugoslavia	Nova Crnja	CF	S	P	Oxford	--	40	90	38	54	11	1	12	88	75
1324	405611	---	Tance	H	S	P	Lexington	43	95	22	39	11	10	10	10	70	20
1325	405612	---	Prilep	T	S	P	Lexington	--	40	94	27	48	7	3	14	60	77
1326	405613	---	Jaka Dzebel	T	S	P	Lexington	--	--	--	--	--	--	--	--	--	--
1327	405614	---	Vranjska Jaka	T	S	P	Oxford	--	42	91	19	42	17	14	23	68	73
1329	405615	---	Otljd	H	S	P	Lexington	--	53	99	20	37	15	6	12	103	38
1330	405616	---	Zrenjanin	CF	S	P	Lexington	--	40	98	17	29	15	7	19	68	27
1331	405617	---	Begej	CF	S	P	Lexington	--	40	71	14	25	16	7	12	58	23
1332	405618	---	Kruseracki Prosocan	T	S	P	Oxford	--	38	117	18	32	14	9	17	87	32
1333	405619	---	Zitkovacki Prosocan	T	S	P	Lexington	--	45	69	23	38	17	10	17	91	28
1334	405620	---	Segedinska Ruza	CF	S	P	Oxford	--	40	93	23	37	11	8	17	38	43
1335	405621	Greece	Smyrna	P	S	P	Lexington	--	50	62	19	47	15	10	13	92	42
1341	241767	Peru	---	CF	S	W	Lexington	--	42	105	33	55	14	1	16	92	89
1342	405622	France	Chinensis	P	P	P	Oxford	--	53	101	38	66	14	5	8	119	74
1347	405623	Austria	Praecox	P	S	P	Lexington	--	47	88	37	61	14	2	8	110	98
1348	405624	---	Sabolz	CF	S	P	Lexington	--	54	92	35	78	18	5	11	130	82
1349	405625	---	Ergo	B	S	P	Lexington	--	35	127	24	34	14	12	15	75	41
1350	405626	Rhodesia	Fodya	CF	S	P	Oxford	--	50	89	25	44	13	11	12	67	35
1351	405627	Vietnam	Thuoc Bop	FC	S	P	Lexington	--	35	121	20	36	12	11	15	62	39
1352	405628	---	---	CW	S	P	Oxford	--	38	83	24	40	11	10	9	62	21
1353	405629	Philip- pines.	Vizcaya	CF	S	P	Lexington	--	43	91	34	55	13	0	14	110	102
1354	405630	Philip- pines.	Simox	CF	S	P	Oxford	--	54	103	38	75	19	4	9	146	115
1355	405631	---	Oxsimsim	CF	S	P	Lexington	--	34	103	31	47	12	7	5	97	43
							Lexington	--	43	75	19	35	13	7	9	68	19
							Oxford	--	54	103	32	43	15	10	18	169	98
							Lexington	--	60	94	34	52	20	14	12	181	75
							Oxford	--	29	117	20	45	10	5	21	46	32
							Lexington	--	33	72	12	35	6	7	7	35	8
							Oxford	--	27	93	19	37	9	10	9	49	32
							Lexington	--	32	62	18	36	7	7	6	46	12
							Oxford	--	33	129	27	47	9	4	12	81	34
							Lexington	--	33	99	18	38	5	6	7	42	8
							Oxford	--	61	84	25	45	16	0	6	130	114
							Lexington	--	63	71	40	61	21	2	8	145	123
							Oxford	--	52	72	24	52	15	2	10	89	100
							Lexington	--	63	67	22	55	17	5	11	65	--
							Oxford	--	45	71	25	58	12	8	16	79	52
							Lexington	--	63	86	31	59	18	9	10	150	93
							Oxford	--	45	111	27	46	15	0	11	128	64
							Lexington	--	45	87	15	36	18	3	8	107	21
							Oxford	--	45	90	27	62	15	2	17	139	77
							Lexington	--	55	100	24	60	14	4	8	139	43
							Oxford	--	65	93	27	48	16	9	11	157	84
							Lexington	--	60	69	24	51	16	6	6	150	39
							Oxford	--	54	96	33	58	14	11	22	137	84
							Lexington	--	61	93	26	60	17	13	11	133	58

1356	405632	---do----	Oxviz	-----	CF	S	P	Oxford --	61	98	28	51	15	1	9	158	86
								Lexington	84	91	26	52	24	5	12	197	67
1357	405633	---do----	Vizoxviz	-----	CF	S	P	Oxford --	54	119	31	56	11	4	13	126	73
1358	405634	India ----	Bosikappal	-----	CF	S	P	Lexington	65	78	19	45	11	11	2	111	54
1359	405635	---do----	N.P. 59 Breeding Line	-----	FC	S	P	Oxford --	43	90	23	59	13	4	14	98	64
1360	405636	---do----	Natu Cheroot	-----	CF	S	P	Lexington	54	87	19	62	15	9	12	89	24
1361	405637	---do----	L.S. 27 Breeding Line	-----	CF	P	P	Oxford --	38	83	27	52	12	3	13	87	66
1362	405638	---do----	F.T. 157 Hookah Type	-----	CF	S	P	Lexington	43	73	21	51	14	5	11	78	42
1363	405639	---do----	N.P. 68 Breeding Line	-----	CF	P	P	Lexington	52	76	18	52	14	3	9	140	66
1364	405640	---do----	N.P. 4 Breeding Line	-----	CF	S	P	Lexington	60	69	20	58	27	6	17	159	69
1365	405641	---do----	S-12-5 Bidi	-----	CF	P	P	Oxford --	43	104	31	61	11	2	11	79	57
1366	408939	---do----	Dindigal Cheroot	-----	CF	S	P	Lexington	55	79	21	51	14	6	9	66	30
1367	405642	---do----	Jati-1 Hookah	-----	CF	P	P	Lexington	42	108	27	48	8	1	17	44	75
1372	267314	Argentina	Chicoana No. 1	-----	FC	S	P	Lexington	51	67	26	45	11	6	9	30	27
1373	405643	Cuba ----	Coroja	-----	CF	P	P	Oxford --	44	122	25	47	14	3	20	100	68
1374	405644	United States-Louisiana.	Perique	-----	CF	S	P	Lexington	56	56	23	57	15	7	9	97	28
1375	405645	Cuba ----	#6055	-----	CF	P	P	Oxford --	40	125	33	47	13	1	21	96	57
1376	405646	---do----	Criollo	-----	CF	P	P	Lexington	53	109	27	49	10	6	7	58	26
1377	405647	Puerto Rico.	Olor	-----	CF	S	P	Oxford --	43	126	24	51	12	5	16	95	77
1378	286819	Bulgaria -	Harmanliiska Basma No. 163.	-----	FC	S	P	Lexington	54	89	20	56	15	9	11	96	29
1379	286820	---do----	Kozarsko No. 541	-----	FC	S	P	Lexington	45	72	33	60	16	4	14	117	84
1380	286821	---do----	Kulsko	-----	FC	S	P	Lexington	54	86	27	64	16	3	6	114	45
1381	286822	---do----	Mandrensko	-----	FC	S	P	Oxford --	45	90	29	56	11	2	14	81	66
1382	286823	---do----	Nevrokop No. 5	-----	FC	S	P	Lexington	57	82	26	64	17	7	9	70	44
								Oxford --	49	85	32	56	19	1	6	126	98
								Lexington	84	48	31	52	20	0	7	127	43
								Oxford --	47	111	22	38	15	8	14	110	50
								Lexington	51	109	22	39	15	9	9	91	40
								Oxford --	57	64	28	51	18	1	9	144	70
								Lexington	59	89	25	61	19	2	13	115	73
1375	405645	Cuba ----	#6055	-----	T	S	P	Oxford --	30	78	27	29	10	13	16	52	27
1376	405646	---do----	Criollo	-----	T	S	P	Lexington	54	89	22	40	15	15	13	124	16
1377	405647	Puerto Rico.	Olor	-----	CF	S	P	Oxford --	45	108	20	39	15	10	14	110	64
1378	286819	Bulgaria -	Harmanliiska Basma No. 163.	-----	CF	S	P	Lexington	47	74	21	34	14	5	11	82	31
1379	286820	---do----	Kozarsko No. 541	-----	T	S	P	Oxford --	57	89	24	51	19	9	18	170	100
1380	286821	---do----	Kulsko	-----	T	S	P	Lexington	67	87	21	60	21	8	12	158	45
1381	286822	---do----	Mandrensko	-----	T	S	P	Oxford --	45	92	23	38	16	5	13	110	59
1382	286823	---do----	Nevrokop No. 5	-----	T	S	P	Lexington	57	64	25	42	26	8	14	134	36
								Oxford --	42	99	19	39	13	9	17	64	57
								Lexington	42	54	19	48	17	7	17	77	29
								Oxford --	36	99	17	34	14	9	22	82	50
								Lexington	45	68	19	37	17	11	12	72	35
								Oxford --	38	110	20	41	12	11	11	68	41
								Lexington	40	68	24	50	15	8	13	71	29
								Oxford --	61	85	20	32	17	3	7	135	39
								Lexington	64	53	19	30	--	0	5	--	36

KEY--TI=tobacco introduction; PI=plant introduction; Plant types: D=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, HT=no type identified, P=primitive, PY=pale-yellow, T-Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)	
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre- topped			Post- topped
1383	286824	Bulgaria -	Rila No. 9	T	S	P	Oxford --	38	96	22	42	14	8	18	111	43
1384	286825	---do---	Sandanski No. 144	T	S	P	Lexington --	53	57	17	35	15	4	9	51	20
1385	286826	---do---	Sekirka	T	S	P	Lexington --	40	87	23	39	15	6	15	91	66
1386	286827	---do---	Stanimaschka Basma No. 536.	T	S	P	Lexington --	47	56	23	41	18	3	11	96	42
1387	286828	---do---	Sultansko	T	S	P	Oxford --	38	114	17	27	13	10	17	91	30
1388	286829	---do---	Tekne	T	S	P	Lexington --	43	88	16	30	16	7	14	69	16
1389	286830	---do---	Wisoka Marulea	T	S	P	Lexington --	42	87	20	37	15	9	19	110	61
1390	405648	Thailand -	Chiengmuan	P	S	P	Lexington --	44	69	20	39	20	9	15	113	37
1391	405649	---do---	Chiengmai No. 1	FC	S	P	Oxford --	36	104	25	37	13	3	17	78	45
1392	405650	---do---	Kanburi	CF	S	P	Lexington --	47	78	26	42	14	4	12	95	35
1393	405651	---do---	Linkwai	P	S	P	Lexington --	41	98	22	42	8	6	17	60	41
1394	405652	---do---	Loop Vieng Cook	P	S	P	Lexington --	37	74	24	42	12	6	10	50	24
1395	405653	---do---	Mae Tah	P	S	P	Lexington --	45	98	19	33	11	4	15	83	36
1396	406654	---do---	Muzor	CF	S	P	Lexington --	47	63	20	36	20	3	2	95	34
1397	405655	---do---	Nuk	CF	S	P	Lexington --	45	108	18	38	15	6	16	73	36
1398	405656	---do---	Plonk Thae	P	S	R	Lexington --	42	109	9	27	8	8	9	45	18
1399	405657	---do---	Prae	CF	S	P	Lexington --	32	115	23	36	11	11	10	69	45
1400	287538	Rhodesia -	No. R-83, Line 256-1	FC	S	P	Lexington --	63	103	19	31	13	7	10	87	19
1401	405658	Java	Vorstenlanden	FC	S	P	Lexington --	47	124	23	47	15	7	13	143	57
1402	405659	---do---	Timor	CW	S	P	Lexington --	53	86	17	41	18	6	8	123	33
1403	405660	Argentina	Guacharo	P	S	P	Lexington --	42	102	22	41	14	5	17	116	61
1404	405661	Java	Hybrid 382	CF	S	P	Lexington --	54	93	18	33	14	4	8	63	15
1405	251999	Turkey		T	S	P	Lexington --	33	115	23	41	10	2	14	85	43
								37	100	15	26	7	7	8	48	20
								34	114	20	43	10	3	12	96	55
								51	75	7	24	12	4	4	56	--
								54	83	15	41	19	18	20	134	73
								--	84	13	43	29	10	--	130	38
								42	90	31	56	13	2	11	88	91
								32	63	21	59	16	5	13	88	33
								40	97	23	47	14	1	23	121	59
								--	95	17	41	19	10	12	129	35
								42	66	19	50	13	2	12	121	77
								54	73	15	47	18	3	9	116	29
								44	98	25	51	13	7	19	99	82
								57	78	21	58	19	11	11	127	54
								49	68	28	51	14	0	9	140	82
								54	53	19	49	19	1	7	136	54
								51	78	31	50	18	4	11	136	89
								65	73	23	46	20	4	13	149	53
								40	109	22	56	15	2	27	95	59
								50	78	11	48	15	9	13	97	33
								42	96	32	55	11	1	15	82	98
								53	92	28	57	15	5	9	96	41
								47	93	23	34	16	3	10	111	75
								53	48	24	39	28	12	12	146	53

1406	408940	Germany --	Virgin A Mutant	-----	B	S	P	Oxford --	--	58	29	54	--	14	10	--	12	85	--
1407	293914	Bulgaria -	Trapezund 161	-----	T	P	P	Lexington --	58	79	24	43	Oxford --	16	10	20	20	79	61
1408	293913	----do-----	Immunyi	-----	T	S	P	Lexington --	54	69	24	46	Oxford --	21	17	13	13	112	40
1409	293912	----do-----	Dubec 566	-----	T	S	P	Lexington --	47	85	32	50	Oxford --	16	8	20	12	147	75
1410	293911	----do-----	Dubec 7	-----	T	S	P	Lexington --	56	101	22	50	Oxford --	19	8	12	16	110	--
1411	293910	----do-----	American 287	-----	T	S	P	Lexington --	45	85	25	39	Oxford --	16	9	16	16	135	84
1412	293909	----do-----	Alma-Ata 315	-----	T	S	P	Lexington --	61	24	40	20	Oxford --	20	5	16	16	135	40
1414	405662	Italy ----	Grande Reditto	-----	B	S	P	Lexington --	44	98	20	37	Oxford --	15	12	25	25	98	61
1415	405663	Rhodesia -	Rhodesian Giant	-----	FC	S	P	Lexington --	49	75	19	39	Oxford --	21	14	14	14	101	29
1416	260362	Brazil ---	Bahia V-254	-----	T	S	P	Lexington --	33	124	19	37	Oxford --	12	12	19	19	72	39
1417	260363	----do-----	Paulista V-728	-----	CW	S	P	Lexington --	45	96	25	46	Oxford --	13	10	12	12	95	27
1418	260364	----do-----	Jorginho V-362	-----	CF	S	R	Lexington --	95	67	18	33	Oxford --	15	12	18	18	106	48
1419	260365	----do-----	Tiete V-380	-----	PY	S	P	Lexington --	43	95	19	34	Oxford --	20	11	16	16	99	30
1420	260366	----do-----	Chinez V-34	-----	CF	S	P	Lexington --	54	67	24	52	Oxford --	19	2	6	202	129	91
1421	260367	----do-----	Burley Campinas V-690	-----	B	S	P	Lexington --	104	45	32	57	Oxford --	28	2	1	300	141	85
1422	260368	----do-----	Jorge Grande V-66	-----	CW	S	R	Lexington --	--	67	19	58	Oxford --	30	4	--	185	85	43
1423	260369	----do-----	Virginia V-192	-----	PY	S	R	Lexington --	42	78	22	37	Oxford --	11	6	16	73	39	10
1424	260370	----do-----	Goyano V-70	-----	CF	S	P	Lexington --	36	74	19	35	Oxford --	5	4	5	39	10	50
1425	260371	----do-----	Virginia V-1	-----	PY	S	P	Lexington --	42	95	24	38	Oxford --	12	5	10	87	50	24
1426	405664	Liberia --	Russian R.S.E.	-----	CF	S	P	Lexington --	53	63	24	39	Oxford --	11	6	7	97	24	80
1427	405665	----do-----	Sumatra B-2	-----	T	S	P	Lexington --	54	77	25	47	Oxford --	14	1	11	145	80	27
1440	405666	Poland ---	V-20	-----	P	S	P	Lexington --	61	96	22	49	Oxford --	19	4	15	157	27	89
1441	292195	----do-----	Italian 2B Resistant	-----	FC	S	P	Lexington --	47	75	24	52	Oxford --	12	1	11	109	89	60
1442	292196	----do-----	Italian 3B Resistant	-----	FC	S	W	Lexington --	54	56	22	60	Oxford --	17	0	6	105	60	61
								Lexington --	35	109	29	50	Oxford --	12	5	17	78	61	33
								Lexington --	49	78	24	49	Oxford --	13	9	11	77	33	107
								Oxford --	47	89	31	50	Oxford --	14	7	14	101	107	62
								Lexington --	57	70	30	59	Oxford --	18	7	10	126	62	70
								Lexington --	54	87	28	52	Oxford --	18	7	17	144	70	34
								Lexington --	63	76	24	54	Oxford --	14	1	10	113	34	61
								Oxford --	73	76	22	43	Oxford --	16	0	11	142	61	75
								Lexington --	--	72	26	53	Oxford --	24	7	--	167	75	95
								Oxford --	57	77	25	51	Oxford --	14	0	8	136	95	92
								Lexington --	--	70	21	51	Oxford --	26	9	--	154	92	68
								Oxford --	45	91	24	45	Oxford --	13	10	11	99	68	24
								Lexington --	67	78	21	43	Oxford --	20	15	11	--	--	100
								Oxford --	43	91	32	50	Oxford --	13	1	13	130	121	43
								Lexington --	54	77	38	66	Oxford --	18	7	7	121	43	50
								Oxford --	49	83	20	36	Oxford --	14	6	12	121	43	121
								Lexington --	51	78	20	45	Oxford --	19	7	12	110	50	121
								Oxford --	--	--	--	--	Oxford --	--	--	--	--	--	--
								Lexington	54	90	19	57	Oxford --	20	8	8	141	60	60
								Oxford --	48	55	29	52	Oxford --	18	5	13	110	89	89
								Lexington	50	74	31	63	Oxford --	18	6	8	110	55	55
								Oxford --	55	52	34	55	Oxford --	22	17	12	156	119	119
								Lexington	63	74	29	63	Lexington	29	14	13	170	134	134

KEY:--TI=tobacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hungarian, W=no type identified, P=primitive, PY=pale-yellow, T=turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attach-ment	Flower color	Station	Time to flower (days)	Leaves		Suckers (No.)		Plant			
									Angle (°)	Width (cm)	Length (cm)	No./ plant		Pre- topped	Post- topped	Height (cm)
1443	292197	Poland ---	Austrian Aspasia -----	FC	S	P	Oxford --	40	69	32	54	17	15	9	102	94
1444	292198	---do-----	Swiss Jaune Resistant Sota.	B	S	P	Lexington --	49	75	36	62	18	1	8	92	71
1445	292199	---do-----	Austrian Kiev 43 -----	FC	S	P	Lexington --	48	49	29	58	18	5	9	115	103
1446	292200	---do-----	Tinia 1 -----	FC	S	P	Oxford --	50	64	35	60	18	4	7	108	97
1447	292201	---do-----	Tinia 9 -----	FC	S	P	Lexington --	57	48	28	59	17	10	10	140	111
1448	292202	---do-----	French Paraguay II ---	FC	S	P	Lexington --	50	72	29	63	16	3	8	86	48
1449	292203	---do-----	French Rhinan Burley -	FC	S	P	Lexington --	64	35	31	60	19	2	7	166	125
1450	292204	---do-----	German Virginia 230 --	FC	S	P	Lexington --	50	55	30	63	19	4	10	119	70
1451	292205	---do-----	Zlotolistny Ihar -----	FC	S	P	Oxford --	57	48	31	53	19	2	8	182	116
1452	405667	Cuba -----	Remedios -----	NT	--	--	Lexington --	56	61	35	59	20	3	7	134	--
1453	405668	---do-----	Vuelta Abajo -----	T	S	P	Lexington --	48	46	30	59	13	15	4	107	94
1454	405669	---do-----	Little Cuba -----	T	S	P	Lexington --	54	72	35	64	15	3	6	94	54
1455	405670	Brazil ---	Mixed: Export Adora, DeFumos, Suerdieck. Pina Blanca -----	B	S	P	Oxford --	64	52	30	58	20	14	10	158	103
1456	405671	Honduras -	Colombian Garcia -----	FC	S	P	Lexington --	54	68	36	62	19	2	7	120	65
1457	405672	---do-----	-----	FC	S	P	Oxford --	57	48	30	56	21	8	13	181	112
1458	405673	---do-----	-----	CF	S	P	Lexington --	89	78	28	48	20	0	2	207	125
1459	304898	Germany --	PR B 144 -----	FC	S	P	Lexington --	--	60	25	55	30	3	--	202	123
1460	304899	---do-----	PR B 151 -----	B	S	P	Oxford --	44	61	33	52	17	7	12	92	84
1461	304900	---do-----	PR V 131 -----	B	S	P	Lexington --	54	69	31	61	18	7	10	100	102
1462	304901	---do-----	PR Z 65 -----	FC	S	P	Lexington --	65	86	28	44	17	1	11	155	118
1463	304902	---do-----	PR Z 78 -----	FC	S	P	Lexington --	67	68	40	67	22	15	12	129	118
1464	405674	Ghana -----	Native Tobacco -----	FC	S	P	Oxford --	54	86	28	48	15	1	7	107	84
1465	405675	Australia	GA955, Blue Mold Re- sistant Line.	FC	S	P	Lexington --	57	75	34	62	16	5	10	129	76
1466	405675	Australia	GA955, Blue Mold Re- sistant Line.	FC	S	P	Lexington --	49	58	34	54	16	5	19	109	120
				FC	S	P	Oxford --	60	63	32	64	17	13	9	96	63
				FC	S	P	Oxford --	49	55	37	53	18	3	13	105	89
				FC	S	P	Lexington --	56	74	30	59	20	6	6	119	65
				FC	S	P	Lexington --	47	93	29	50	15	1	19	117	73
				CF	S	P	Lexington --	54	62	32	54	16	4	12	130	58
				CF	S	P	Oxford --	34	87	22	51	14	4	15	120	116
				CF	S	P	Lexington --	75	82	17	47	20	7	9	124	28
				CF	S	P	Oxford --	42	81	34	56	13	1	11	106	86
				Lexington			Lexington	54	62	31	66	17	3	7	120	--

1467	408941	Colombia -	Cubita Seed	-----	CF	S	P	Oxford --	89	86	31	47	15	3	4	225	109
1472	301016	Venezuela	Guacharo Oriente	-----	NT	P	P	Lexington --	100	80	28	56	28	4	--	219	84
1473	301017	----do-----	Guacharo U.S.A.	-----	P	S	P	Lexington --	60	45	30	64	20	3	8	160	97
1474	301018	----do-----	Salom I	-----	FC	S	P	Lexington --	53	62	15	49	19	5	17	100	66
1475	301019	----do-----	Salom II	-----	CF	S	P	Lexington --	72	78	30	67	34	8	12	145	68
1476	301020	----do-----	Salom III	-----	P	S	P	Lexington --	56	76	18	49	16	8	18	105	34
1477	301021	----do-----	Salom IV	-----	CF	S	R	Lexington --	89	101	34	59	21	1	6	164	91
1478	405676	India ----	Chatham	-----	FC	S	P	Lexington --	47	81	25	59	30	7	--	199	109
1479	405677	----do-----	DR-1	-----	CF	S	P	Lexington --	56	75	38	63	17	0	5	119	116
1480	405678	Canada ---	Ottawa 705	-----	CF	S	P	Lexington --	43	90	28	58	12	3	15	80	77
1482	307914	Peru -----		-----	CW	P	P	Lexington --	55	69	24	64	16	8	8	78	57
1484	302475	Bolivia --		-----	CW	P	P	Lexington --	40	89	34	56	13	1	15	95	70
1485	405679	Great Salvage Island.		-----	T	S	P	Lexington --	47	97	17	36	13	13	15	80	52
1486	405680	Germany --	Forcheimer Fo	-----	CF	S	P	Lexington --	52	64	17	42	16	16	9	85	34
1487	405681	----do-----	Forcheimer Hanica	-----	CF	S	P	Oxford --	44	90	38	55	14	2	15	109	93
1488	405682	----do-----	Forcheimer	-----	CF	S	P	Lexington --	51	100	41	57	--	5	8	--	68
1489	405683	----do-----	Gendertheimer III. Forcheimer NFT 51	-----	FC	S	P	Lexington --	40	85	33	56	11	1	11	90	95
1490	318756	Colombia -	Costillo Habano	-----	CF	S	P	Oxford --	47	60	31	65	17	2	7	94	63
1491	318757	----do-----	Costello Negro	-----	CF	S	P	Lexington --	40	62	31	55	15	3	15	108	80
1492	321709	Bulgaria -	Djebel 174	-----	NT	S	P	Lexington --	47	79	33	63	16	1	6	98	39
1493	321710	----do-----	Djebel 359	-----	FC	S	P	Oxford --	40	77	31	56	13	1	13	99	77
1494	321711	----do-----	Haskowo 2002	-----	NT	S	P	Lexington --	54	69	33	69	18	4	7	120	51
1495	321712	----do-----	Ostrolist B-27-47	-----	FC	S	P	Oxford --	65	96	34	57	18	1	18	140	102
								Lexington --	69	88	28	65	27	7	--	165	95
								Oxford --	--	--	--	--	--	--	--	--	--
								Lexington	--	70	23	67	31	3	--	167	105
								Oxford --	44	87	33	51	16	4	19	114	82
								Lexington	56	76	32	55	18	5	8	139	72
								Oxford --	35	97	17	25	10	9	12	50	27
								Lexington	45	55	14	24	10	5	9	55	10
								Oxford --	37	108	29	51	15	2	20	65	50
								Lexington	45	64	25	52	15	4	9	86	36
								Oxford --	45	103	29	55	18	2	17	114	66
								Lexington	54	61	29	62	20	7	13	137	60

KEY:--TI=tabacco introduction; PI=plant introduction; Plant types: B=burley, CF=cigar filler, CI=cigar wrapper, FC=flue-cured, F=flue-gar, IT=ho type identified, P=primitive, PY=paleo-yellow, T=Turkish; Leaf attachment: P=petiole, S=sessile; Flower color: P=pink, R=red, W=white.

TI No.	PI No.	Origin	Native designation	Plant type	Leaf attachment	Flower color	Station	Time to flower (days)	Leaves			Suckers (No.)		Plant Height (cm)	Yield (g)		
									Angle (°)	Width (cm)	Length (cm)	No./ plant	Pre-topped			Post-topped	
1496	321713	Bulgaria -	Sekirka	-----	T	S	P	Oxford --	33	85	15	27	13	3	11	62	25
							Lexington	43	68	15	25	17	17	3	13	77	22
1497	321714	---do---	Trapezund	-----	P	P	P	Oxford --	40	99	31	45	14	2	21	108	43
							Lexington	43	84	21	42	18	18	3	14	88	35
1498	322743	Brazil ---	Rippez	-----	PY	S	P	Oxford --	89	78	23	57	17	1	1	213	86
							Lexington	--	72	35	64	15	15	6	3	94	171
1499	322744	---do---	Amarelao	-----	PY	S	P	Oxford --	89	57	28	55	20	0	5	118	109
							Lexington	84	58	32	64	31	31	0	9	181	192
1500	329206	USSR ----	Immune 580	-----	FC	S	P	Oxford --	--	--	--	--	--	--	--	--	--
							Lexington	58	84	33	59	20	20	5	9	176	75
1501	329207	---do---	Immune 580 Male Sterile.	-----	FC	S	R	Oxford --	--	--	--	--	--	--	--	--	--
							Lexington	61	103	35	61	19	19	3	9	165	70
1502	338508	Republic of China.	Rhodesian W.K. 39	----	NT	S	P	Oxford --	45	93	31	50	16	4	19	119	84
							Lexington	54	58	23	60	18	18	5	12	125	70
1503	338509	---do---	Rhodesian Immunzi	----	NT	S	P	Oxford --	47	98	31	52	13	7	20	104	59
							Lexington	54	99	33	60	20	20	10	12	128	91
1504	338510	---do---	Rhodesian Trapezund 161.	-----	NT	S	P	Oxford --	47	80	28	55	16	0	8	104	95
							Lexington	53	62	29	73	19	19	4	10	131	90

KEY--TI=tobacco introduction; PI=plant introduction; Plant types: E=burley, CF=cigar filler, CW=cigar wrapper, FC=flue-cured, H=Hurgarian, NT=no type identified, P=primitive, PY=pale-yellow, T=Turkish; Leaf attachment: P=petiolate, S=sessile; Flower color: P=pink, R=red, W=white.

U. S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
SOUTHERN REGION
P. O. BOX 53326
NEW ORLEANS, LOUISIANA 70153

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR 101

FIRST CLASS